



**FloorTech**<sup>®</sup>  
*At the forefront of flooring technology*

## TECHNICAL INFORMATION



[www.floortech.ie](http://www.floortech.ie)

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## Introduction

# FloorTech<sup>®</sup> - at the Forefront of Flooring Technology

**FloorTech**<sup>®</sup> has established its reputation as market leader through superior product development, product performance, professional service and controlled installation. **FloorTech**<sup>®</sup> strives to be innovative and dynamic, dedicated to providing quality products and services meeting and exceeding customers' expectations. **FloorTech**<sup>®</sup> maintains its leadership position at the forefront of flooring technology by continually investing in research & development to increase performance, improve aesthetics and extend the time period to first maintenance.

At **FloorTech**<sup>®</sup> we believe in providing you with the most innovative and superior PMMA flooring solutions on the market. We understand the resin flooring industry intimately and understand that each of our customers' needs are unique. Each project is designed and formulated to meet its specific requirements. At **FloorTech**<sup>®</sup> we operate a strict quality management system in accordance with ISO 9001:2008.





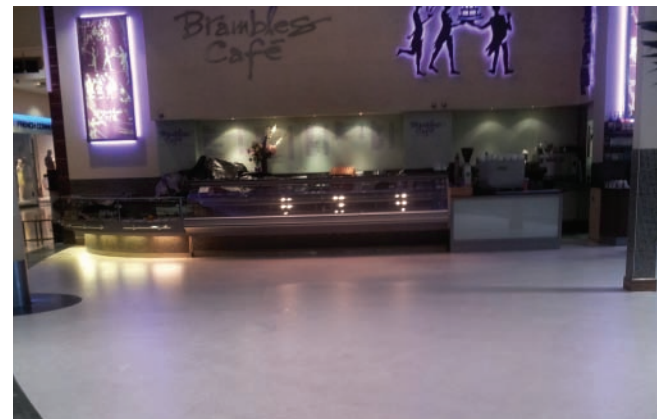
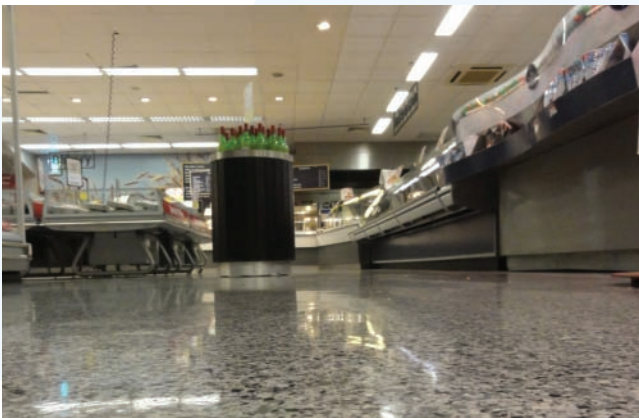
## Technical Data Sheet

### TRAZCON® RS

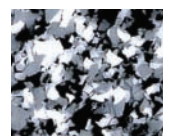
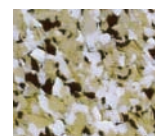
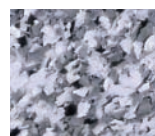
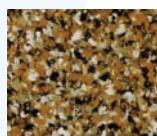
PMMA self-levelling decorative screed

**Trazcon® RS** is a poly methyl methacrylate, self-levelling decorative floor screed with high aesthetic properties. It is widely used throughout the retail and commercial sector.

This flagship system was developed and patented by **FloorTech®** and has changed the flooring preference of industries like supermarkets, veterinary clinics, schools and even the hospitality sector – all of whom traditionally would have used tiles or vinyl and now are reaping the benefits of a **Trazcon®** seamless floor.



### Standard Colour Chart



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## ARCHITECTURAL SPECIFICATION

### Preparation

Remove all laitance, contaminants, traces of dirt and grease from the substrate and ensure that it is dry. Approved preparation methods are shot blasting or diamond grinding, the method selected should be appropriate for the substrate.

### Installation

Install **Trazcon**<sup>®</sup> **RS** self-levelling decorative screed to 3mm thickness, priming surface with a **Trazcon**<sup>®</sup> proprietary priming resin, basecoat consisting of **Trazcon**<sup>®</sup> C22 resin, filler and decorative flakes and seal with 2 no. coats of **Trazcon**<sup>®</sup> T32; all in accordance with the manufacturer's instructions.

### SUBSTRATE

Cementitious substrates must be sound, dry and free of laitance, loose particles, oil, dust, grease and contaminants which could cause future delamination. It should have a compressive strength > 25 N/mm<sup>2</sup>, a cohesive strength > 1.5 N/mm<sup>2</sup> and moisture content < 5.0%.

**Trazcon**<sup>®</sup> systems are designed to follow the contours of the existing concrete substrate, therefore there cannot be any sudden irregularities, undulations or high spots.

**FloorTech**<sup>®</sup> have a range of primers designed for application on various substrates such as wood, steel, ceramic & quarry tiles, terrazzo and indoor asphalt. Please contact our technical department.

### AFTERCARE – CLEANING & MAINTENANCE

Refer to **FloorTech**<sup>®</sup> Cleaning Manual.

Chemical spillages should be dealt with immediately to prevent staining or damage.

### LIFE EXPECTANCY

Greater than 10 years, subject to correct maintenance regime.

## PROPERTIES

- Monolithic seamless surface
- High aesthetics with a vast range of colours
- Smooth
- Low maintenance
- High abrasion resistance
- UV resistant
- Hygienic

## AREAS OF APPLICATION

- For moderate to high mechanical stresses
- Slip resistant coating for dry areas
- Indoor use only

## TECHNICAL DATA

Texture:	Smooth
Finish:	Semi-gloss
Thickness:	3mm
Curing time:	Full chemical cure - 1 hour
Compressive strength:	45 N/mm <sup>2</sup> - DIN1164
Tensile strength:	25 N/mm <sup>2</sup> - DIN1164
Slip resistance	PTV 70 (dry) BS 7976 - 2:2002
Chemical resistance:	Refer to <b>Trazcon</b> <sup>®</sup> PMMA Chemical Resistance Chart
Temperature resistance:	+60°C (+80°C for short irregular periods e.g. wash-downs)
Abrasion resistance:	Class AR1 - Heavy duty
Colour range:	Refer to <b>Trazcon</b> <sup>®</sup> colour charts

## APPLICATION STAGES

1. Prepare the substrate
2. Prime using a **Trazcon**<sup>®</sup> proprietary priming resin (see data sheets) @ 0.40kg/m<sup>2</sup>
3. Install the base coat to a depth of 2mm using **Trazcon**<sup>®</sup> C22 resin (see data sheet), filler and decorative flakes.
4. Apply a first top coat of **Trazcon**<sup>®</sup> T32 top coat resin (see data-sheet) @ 0.60 kg/m<sup>2</sup>
5. Apply a final top coat of **Trazcon**<sup>®</sup> T32 top coat resin (see data sheet) @ 0.40 kg/m<sup>2</sup>



## Technical Data Sheet

### TRAZCON® DÉCOR SYSTEM 1

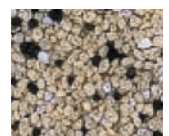
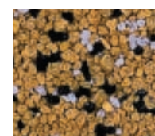
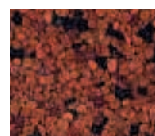
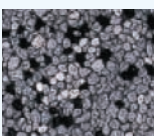
PMMA self-levelling decorative screed

**Trazcon® Décor System 1** is a poly methyl methacrylate, trowel applied, colour quartz, decorative floor screed that is widely used throughout the industrial sector.

The **Trazcon® Décor** range was developed specifically for the industrial flooring market and is used predominantly in the Food, Drinks, Hospitality and Automotive sectors. It has a certified anti-skid rating in accordance with BS 7976-2:2002 ensuring that the safety of your customers & staff is paramount as the risk of trips, slips and other accidents are reduced.



### Standard Colour Chart



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## ARCHITECTURAL SPECIFICATION

### Preparation

Remove all laitance, contaminants, traces of dirt and grease from the substrate and ensure that it is dry. Approved preparation methods are shot blasting, scabbling or diamond grinding, the method selected should be appropriate for the substrate.

### Installation

Install **Trazcon® Décor System 1** trowel applied decorative screed to 4mm thickness, priming surface with a **Trazcon®** proprietary priming resin, basecoat consisting of **Trazcon®** C21S resin and coloured quartz and seal with 2 no. coats of **Trazcon®** T31R; all in accordance with the manufacturer's instructions.

### SUBSTRATE

Cementitious substrates must be sound, dry and free of laitance, loose particles, oil, dust, grease and contaminants which could cause future delamination. It should have a compressive strength > 25 N/mm<sup>2</sup>, a cohesive strength > 1.5 N/mm<sup>2</sup> and moisture content < 5.0%.

**Trazcon®** systems are designed to follow the contours of the existing concrete substrate, therefore there cannot be any sudden irregularities, undulations or high spots.

**FloorTech®** have a range of primers designed for application on various substrates such as wood, steel, ceramic & quarry tiles, terrazzo and indoor asphalt. Please contact our technical department.

### AFTERCARE – CLEANING & MAINTENANCE

Refer to **FloorTech®** Cleaning Manual.

Chemical spillages should be dealt with immediately to prevent staining or damage.

### LIFE EXPECTANCY

Greater than 10 years, subject to correct maintenance regime.

## PROPERTIES

- Monolithic seamless surface
- High aesthetics with a vast range of colours
- Smooth
- Low maintenance
- High abrasion resistance
- UV resistant
- Hygienic

## AREAS OF APPLICATION

- For moderate to high mechanical stresses
- Slip resistant coating for dry areas
- Indoor use only

## TECHNICAL DATA

Texture:	Smooth
Finish:	Semi-gloss
Thickness:	4mm
Curing time:	Full chemical cure - 1 hour
Compressive strength:	45 N/mm <sup>2</sup> - DIN1164
Tensile strength:	29 N/mm <sup>2</sup> - DIN1164
Slip resistance	PTV 69 (dry) BS 7976-2:2002
Chemical resistance:	Refer to <b>Trazcon®</b> PMMA Chemical Resistance Chart
Temperature resistance:	+60°C (+80°C for short irregular periods e.g. wash-downs)
Abrasion resistance:	Class AR1 - Heavy duty
Colour range:	Refer to <b>Trazcon®</b> colour charts

## APPLICATION STAGES

1. Prepare the substrate
2. Prime using a **Trazcon®** proprietary priming resin (see data sheets) @ 0.40kg/m<sup>2</sup>
3. Install the base coat at a nominal 4mm using **Trazcon®** C21S resin (see data sheet) and coloured quartz
4. Apply 2 no. top coats of **Trazcon®** T31R top coat resin (see data-sheet) @ 0.35 kg/m<sup>2</sup> (per coat)



## Technical Data Sheet

### TRAZCON® DÉCOR SYSTEM 2

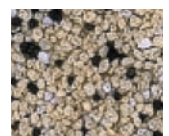
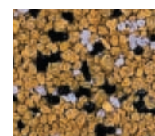
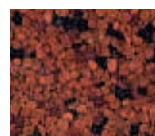
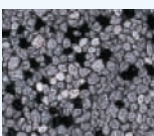
PMMA trowel applied, textured, decorative screed

**Trazcon® Décor System 2** is a textured finish, poly methyl methacrylate, trowel applied, colour quartz, decorative floor screed. The slip-resistant properties are achieved through the use of mineral and quartz aggregates and can be tailored to suit project-specific requirements.

The **Trazcon® Décor** range was developed specifically for the industrial flooring market and is used predominantly in the Food, Drinks, Hospitality and Automotive sectors. It has a certified anti-skid rating in accordance with BS 7976-2:2002 ensuring that the safety of your customers & staff is paramount as the risk of trips, slips and other accidents are reduced.



### Standard Colour Chart



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## ARCHITECTURAL SPECIFICATION

### Preparation

Remove all laitance, contaminants, traces of dirt and grease from the substrate and ensure that it is dry. Approved preparation methods are shot blasting, scabbling or diamond grinding, the method selected should be appropriate for the substrate.

### Installation

Install **Trazcon® Décor System 2** trowel applied decorative screed to 4mm thickness, priming surface with a **Trazcon®** proprietary priming resin, basecoat consisting of **Trazcon®** C21S resin and coloured quartz and seal with 2 no. coats of **Trazcon®** T31R; all in accordance with the manufacturer's instructions.

### SUBSTRATE

Cementitious substrates must be sound, dry and free of laitance, loose particles, oil, dust, grease and contaminants which could cause future delamination. It should have a compressive strength > 25 N/mm<sup>2</sup>, a cohesive strength > 1.5 N/mm<sup>2</sup> and moisture content < 5.0%.

**Trazcon®** systems are designed to follow the contours of the existing concrete substrate, therefore there cannot be any sudden irregularities, undulations or high spots.

**FloorTech®** have a range of primers designed for application on various substrates such as wood, steel, ceramic & quarry tiles, terrazzo and indoor asphalt. Please contact our technical department.

### AFTERCARE – CLEANING & MAINTENANCE

Refer to **FloorTech®** Cleaning Manual.

Chemical spillages should be dealt with immediately to prevent staining or damage.

### LIFE EXPECTANCY

Greater than 10 years, subject to correct maintenance regime.

## PROPERTIES

- Monolithic seamless surface
- High aesthetics with a vast range of colours
- Textured
- Low maintenance
- High abrasion resistance
- UV resistant
- Hygienic

## AREAS OF APPLICATION

- For moderate to high mechanical stresses
- Slip resistant coating for permanently or occasionally wet areas
- Indoor use only

## TECHNICAL DATA

Texture:	Textured
Finish:	Semi-gloss
Thickness:	4mm
Curing time:	Full chemical cure - 1 hour
Compressive strength:	45 N/mm <sup>2</sup> - DIN1164
Tensile strength:	29 N/mm <sup>2</sup> - DIN1164
Slip resistance	PTV 72 (dry) BS 7976-2:2002 PTV 60 (wet) BS 7976-2:2002
Chemical resistance:	Refer to <b>Trazcon®</b> PMMA Chemical Resistance Chart
Temperature resistance:	+60°C (+80°C for short irregular periods e.g. wash-downs)
Abrasion resistance:	Class AR1 - Heavy duty
Colour range:	Refer to <b>Trazcon®</b> colour charts

## APPLICATION STAGES

1. Prepare the substrate
2. Prime using a **Trazcon®** proprietary priming resin (see data sheets) @ 0.40kg/m<sup>2</sup>
3. Install the base coat at a nominal 4mm using **Trazcon®** C21S resin (see data sheet) and coloured quartz
4. Before the base coat has cured, fully broadcast with coloured quartz (size 0.4-0.8mm) or a combination of coloured quartz (size 0.4-0.8mm) and mineral aggregate (size 0.6-0.8mm).
4. Apply 2 no. top coats of **Trazcon®** T31R top coat resin (see data-sheet) @ 0.35 kg/m<sup>2</sup> (per coat)



## Technical Data Sheet

### TRAZCON® DÉCOR SYSTEM 3

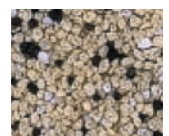
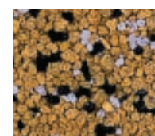
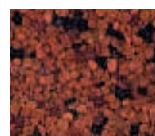
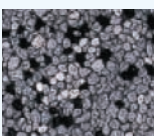
PMMA trowel applied, textured, decorative screed

**Trazcon® Décor System 3** is a textured finish, poly methyl methacrylate, trowel applied, colour quartz, decorative floor screed. The slip-resistant properties are achieved through the use of mineral and quartz aggregates and can be tailored to suit project-specific requirements.

The **Trazcon® Décor** range was developed specifically for the industrial flooring market and is used predominantly in the Food, Drinks, Hospitality and Automotive sectors. It has a certified anti-skid rating in accordance with BS 7976-2:2002 ensuring that the safety of your customers & staff is paramount as the risk of trips, slips and other accidents are reduced.



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## ARCHITECTURAL SPECIFICATION

### Preparation

Remove all laitance, contaminants, traces of dirt and grease from the substrate and ensure that it is dry. Approved preparation methods are shot blasting, scabbling or diamond grinding, the method selected should be appropriate for the substrate.

### Installation

Install **Trazcon® Décor System 3** trowel applied decorative screed to 4mm thickness, priming surface with a **Trazcon®** proprietary priming resin, basecoat consisting of **Trazcon®** C21S resin and coloured quartz and seal with 2 no. coats of **Trazcon®** T31R; all in accordance with the manufacturer's instructions.

### SUBSTRATE

Cementitious substrates must be sound, dry and free of laitance, loose particles, oil, dust, grease and contaminants which could cause future delamination. It should have a compressive strength > 25 N/mm<sup>2</sup>, a cohesive strength > 1.5 N/mm<sup>2</sup> and moisture content < 5.0%.

**Trazcon®** systems are designed to follow the contours of the existing concrete substrate, therefore there cannot be any sudden irregularities, undulations or high spots.

**FloorTech®** have a range of primers designed for application on various substrates such as wood, steel, ceramic & quarry tiles, terrazzo and indoor asphalt. Please contact our technical department.

### AFTERCARE – CLEANING & MAINTENANCE

Refer to **FloorTech®** Cleaning Manual.

Chemical spillages should be dealt with immediately to prevent staining or damage.

### LIFE EXPECTANCY

Greater than 10 years, subject to correct maintenance regime.

## PROPERTIES

- Monolithic seamless surface
- High aesthetics with a vast range of colours
- Textured
- Low maintenance
- High abrasion resistance
- UV resistant
- Hygienic

## AREAS OF APPLICATION

- For moderate to high mechanical stresses
- Slip resistant coating for permanently or occasionally wet areas
- Indoor use only

## TECHNICAL DATA

Texture:	Textured
Finish:	Semi-gloss
Thickness:	4mm
Curing time:	Full chemical cure - 1 hour
Compressive strength:	45 N/mm <sup>2</sup> - DIN1164
Tensile strength:	29 N/mm <sup>2</sup> - DIN1164
Slip resistance	PTV 72 (dry) BS 7976-2:2002 PTV 60 (wet) BS 7976-2:2002
Chemical resistance:	Refer to <b>Trazcon®</b> PMMA Chemical Resistance Chart
Temperature resistance:	+60°C (+80°C for short irregular periods e.g. wash-downs)
Abrasion resistance:	Class AR1 - Heavy duty
Colour range:	Refer to <b>Trazcon®</b> colour charts

## APPLICATION STAGES

1. Prepare the substrate
2. Prime using a **Trazcon®** proprietary priming resin (see data sheets) @ 0.40kg/m<sup>2</sup>
3. Install the base coat at a nominal 4mm using **Trazcon®** C21S resin (see data sheet) and coloured quartz
4. Before the base coat has cured, fully broadcast with coloured quartz (size 0.7-1.2mm) or a combination of coloured quartz (size 0.7-1.2mm) and mineral aggregate (size 1.0-1.4mm).
5. Apply 2 no. top coats of **Trazcon®** T31R top coat resin (see data-sheet) @ 0.35 kg/m<sup>2</sup> (per coat)



## Technical Data Sheet

### TRAZCON® RS SYSTEM 2

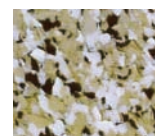
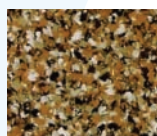
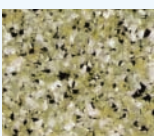
PMMA decorative coating

Trazcon® RS System 2 is a poly methyl methacrylate, roll-applied, decorative floor coating.

Its main use is on staircases and when installed in conjunction with an approved safety nosing gives the ultimate in performance and safety.



### Standard Colour Chart



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## ARCHITECTURAL SPECIFICATION

### Preparation

Remove all laitance, contaminants, traces of dirt and grease from the substrate and ensure that it is dry. Approved preparation methods are shot blasting or diamond grinding, the method selected should be appropriate for the substrate.

### Installation

Install **Trazcon® RS System 2** coating priming surface with a **Trazcon®** proprietary priming resin, basecoat consisting of **FloorTech® P17U** resin, filler and decorative flakes and seal with 2 no. coats of **Trazcon® T32**; all in accordance with the manufacturer's instructions.

### SUBSTRATE

Cementitious substrates must be sound, dry and free of laitance, loose particles, oil, dust, grease and contaminants which could cause future delamination. It should have a compressive strength > 25 N/mm<sup>2</sup>, a cohesive strength > 1.5 N/mm<sup>2</sup> and moisture content < 5.0%.

Sudden irregularities must not be present in the substrate. The maximum deviation allowed is 3mm when measured from the underside of a 3M straight-edge placed anywhere on the surface.

### AFTERCARE – CLEANING & MAINTENANCE

Refer to **FloorTech®** Cleaning Manual.

Chemical spillages should be dealt with immediately to prevent staining or damage.

## PROPERTIES

- Monolithic seamless surface
- High aesthetics with a vast range of colours
- Smooth
- Low maintenance
- High abrasion resistance
- UV resistant
- Hygienic

## AREAS OF APPLICATION

- For light to moderate mechanical stresses
- Slip resistant coating for dry areas
- Indoor use only

## TECHNICAL DATA

Texture:	Smooth
Finish:	Semi-gloss
Thickness:	In excess of 1mm
Curing time:	Full chemical cure - 1 hour
Chemical resistance:	Refer to <b>Trazcon®</b> PMMA Chemical Resistance Chart
Temperature resistance:	+60°C (+80°C for short irregular periods e.g. wash-downs)
Abrasion resistance:	Class AR1 - Heavy duty
Colour range:	Refer to <b>Trazcon®</b> colour charts

## APPLICATION STAGES

1. Prepare the substrate
2. Prime using a **Trazcon®** proprietary priming resin (see data sheets) @ 0.40kg/m<sup>2</sup>
3. Apply the base coat using **Trazcon® P17U** (see data-sheet), filler and coloured flake
4. Apply a first top coat of **Trazcon® T32** top coat resin (see data-sheet) @ 0.60 kg/m<sup>2</sup>
5. Apply a final top coat of **Trazcon® T32** top coat resin (see data sheet) @ 0.40 kg/m<sup>2</sup>



## Technical Data Sheet

### TRAZCON® QUARTZ SYSTEM 2

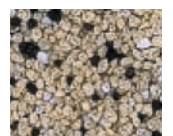
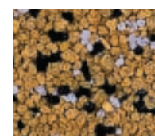
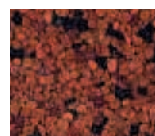
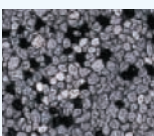
PMMA decorative coating

Trazcon® Quartz System 2 is a poly methyl methacrylate, roll-applied decorative floor coating and has a light profiled finish.

This system was designed for 'back of house' and storeroom use that is subject to moderate mechanical stress. Its performance will outlast standard high-build floor coating systems.



### Standard Colour Chart



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## ARCHITECTURAL SPECIFICATION

### Preparation

Remove all laitance, contaminants, traces of dirt and grease from the substrate and ensure that it is dry. Approved preparation methods are shot blasting or diamond grinding, the method selected should be appropriate for the substrate.

### Installation

Install **Trazcon® Quartz System 2**; priming surface with a **Trazcon®** proprietary priming resin, basecoat consisting of **Trazcon®** P17U resin, filler and fully broadcast with size 0.4-0.8mm coloured quartz and seal with 2 no. coats of **Trazcon®** T31R; all in accordance with the manufacturer's instructions.

### SUBSTRATE

Cementitious substrates must be sound, dry and free of laitance, loose particles, oil, dust, grease and contaminants which could cause future delamination. It should have a compressive strength > 25 N/mm<sup>2</sup>, a cohesive strength > 1.5 N/mm<sup>2</sup> and moisture content < 5.0%.

Sudden irregularities must not be present in the substrate. The maximum deviation allowed is 3mm when measured from the underside of a 3M straight-edge placed anywhere on the surface.

### AFTERCARE – CLEANING & MAINTENANCE

Refer to **FloorTech®** Cleaning Manual.

Chemical spillages should be dealt with immediately to prevent staining or damage.

## PROPERTIES

- Monolithic seamless surface
- High aesthetics with a vast range of colours
- Textured
- Low maintenance
- High abrasion resistance
- UV resistant
- Hygienic

## AREAS OF APPLICATION

- For light to moderate mechanical stresses
- Slip resistant coating for occasionally wet areas.
- Indoor use only

## TECHNICAL DATA

Texture:	Textured
Finish:	Semi-gloss
Thickness:	In excess of 1mm
Curing time:	Full chemical cure - 1 hour
Chemical resistance:	Refer to <b>Trazcon®</b> PMMA Chemical Resistance Chart
Temperature resistance:	+60°C (+80°C for short irregular periods e.g. wash-downs)
Abrasion resistance:	Class AR1 - Heavy duty
Colour range:	Refer to <b>Trazcon®</b> colour charts

## APPLICATION STAGES

1. Prepare the substrate
2. Prime using a **Trazcon®** proprietary priming resin (see data sheets) @ 0.40kg/m<sup>2</sup>
3. Apply the base coat using **Trazcon®** P17U (see data-sheet), and filler
4. Before the base coat has cured, fully broadcast with coloured quartz (size 0.4-0.8mm) or a combination of coloured quartz (size 0.4-0.8mm) and mineral aggregate (size 0.6-0.8mm).
5. Apply 2 no. top coats of **Trazcon®** T31R top coat resin (see data-sheet) @ 0.35 kg/m<sup>2</sup> (per coat)



## Technical Data Sheet

### TRAZCON® HB

PMMA pigmented concrete sealing system

Trazcon® HB is a poly methyl methacrylate 'high-build' concrete sealing system.

This system was designed for 'back of house' and storeroom use that is subject to moderate mechanical stress. It is used extensively in large warehousing facilities that require a hygienic, dust proof finish



### Standard Colour Chart



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## ARCHITECTURAL SPECIFICATION

### Preparation

Remove all laitance, contaminants, traces of dirt and grease from the substrate and ensure that it is dry. Approved preparation methods are shot blasting or diamond grinding, the method selected should be appropriate for the substrate.

### Installation

Install **Trazcon® HB**; double priming surface with a proprietary **Trazcon®** priming resin and seal with 1 no. coat of pigmented **Trazcon® T31R**; all in accordance with the manufacturer's instructions.

### SUBSTRATE

Cementitious substrates must be sound, dry and free of laitance, loose particles, oil, dust, grease and contaminants which could cause future delamination. It should have a compressive strength > 25 N/mm<sup>2</sup>, a cohesive strength > 1.5 N/mm<sup>2</sup> and moisture content < 5.0%.

Sudden irregularities must not be present in the substrate. The maximum deviation allowed is 3mm when measured from the underside of a 3M straight-edge placed anywhere on the surface.

### AFTERCARE – CLEANING & MAINTENANCE

Refer to **FloorTech®** Cleaning Manual.

Chemical spillages should be dealt with immediately to prevent staining or damage.

## PROPERTIES

- Pigmented concrete sealer
- Abrasion resistant
- Chemical resistant

## AREAS OF APPLICATION

- Cementitious substrates
- For low to moderate mechanical stresses
- Indoor use only

## TECHNICAL DATA

Texture:	Smooth
Finish:	Semi-gloss
Thickness:	700 microns
Curing time:	Full chemical cure - 1 hour
Chemical resistance:	Refer to <b>Trazcon®</b> PMMA Chemical Resistance Chart
Temperature resistance:	+60°C
Abrasion resistance:	Class AR2 – Medium duty
Colour range:	Refer to <b>Trazcon®</b> colour charts

## APPLICATION STAGES

1. Prepare the substrate
2. Prime using a **Trazcon®** proprietary priming resin (see data sheets) @ 0.40kg/m<sup>2</sup>
3. Second prime using a **Trazcon®** proprietary priming resin (see data-sheets) @ 0.30kg/m<sup>2</sup>
4. Final top coat of **Trazcon® T31R** pigmented top coat resin (see data sheet) @ 0.30 kg/m<sup>2</sup>



## Technical Data Sheet

### TRAZCON® ANTI-STATIC

PMMA, Anti-static, self-levelling, decorative screed

Trazcon® Anti-static is a poly methyl methacrylate, self-levelling floor screed.

This mono-coloured system is suitable for circumstances where an electrical resistance of  $10^8 \Omega$  is required.



### Standard Colour Chart



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## ARCHITECTURAL SPECIFICATION

### Preparation

Remove all laitance, contaminants, traces of dirt and grease from the substrate and ensure that it is dry. Approved preparation methods are shot blasting or diamond grinding, the method selected should be appropriate for the substrate.

### Installation

Install **Trazcon**<sup>®</sup> Anti-static self-levelling decorative screed to 3mm thickness, priming surface with **Trazcon**<sup>®</sup> P12 priming resin, basecoat consisting of **Trazcon**<sup>®</sup> C22 resin and filler and seal with 1 no. coat of pigmented **Trazcon**<sup>®</sup> T32 (Anti-static); all in accordance with the manufacturer's instructions.

## SUBSTRATE

Cementitious substrates must be sound, dry and free of laitance, loose particles, oil, dust, grease and contaminants which could cause future delamination. It should have a compressive strength > 25 N/mm<sup>2</sup>, a cohesive strength > 1.5 N/mm<sup>2</sup> and moisture content < 5.0%.

**Trazcon**<sup>®</sup> systems are designed to follow the contours of the existing concrete substrate, therefore there cannot be any sudden irregularities, undulations or high spots.

**FloorTech**<sup>®</sup> have a range of primers designed for application on various substrates such as wood, steel, ceramic & quarry tiles, terrazzo and indoor asphalt. Please contact our technical department.

## AFTERCARE – CLEANING & MAINTENANCE

Refer to **FloorTech**<sup>®</sup> Cleaning Manual.

Chemical spillages should be dealt with immediately to prevent staining or damage.

## LIFE EXPECTANCY

Greater than 10 years, subject to correct maintenance regime.

## PROPERTIES

- Anti-static flooring system, with an electrical resistance of 10<sup>8</sup> Ω
- Mono colours only
- Smooth
- Monolithic seamless surface
- Low maintenance
- High abrasion resistance
- UV resistant
- Hygienic

## AREAS OF APPLICATION

- For moderate to high mechanical stresses
- Indoor use only

## TECHNICAL DATA

Texture:	Smooth
Finish:	Semi-gloss
Thickness:	3mm
Curing time:	Full chemical cure - 1 hour
Compressive strength:	45 N/mm <sup>2</sup> – DIN1164
Tensile strength:	25 N/mm <sup>2</sup> – DIN1164
Electrical resistance:	10 <sup>8</sup> Ω - EN 1081
Slip resistance	PTV 70 (dry) BS 7976-2:2002
Chemical resistance:	Refer to <b>Trazcon</b> <sup>®</sup> PMMA Chemical Resistance Chart
Temperature resistance:	+60°C (+80°C for short irregular periods e.g. wash-downs)
Abrasion resistance:	Class AR1 – Heavy duty
Colour range (RAL):	1011 yellow; 3011 red; 5005 blue; 6002 green; 7030 grey Please enquire as to the availability of other colours

## APPLICATION STAGES

1. Prepare the substrate
2. Prime using **Trazcon**<sup>®</sup> P12 (see data-sheets)  
@ 0.40kg/m<sup>2</sup>
3. Install the base coat at a nominal 2mm using  
**Trazcon**<sup>®</sup> C22 basecoat resin (see data-sheet),  
and filler.
4. Apply a top coat of pigmented **Trazcon**<sup>®</sup> T32  
(Anti-static) top coat resin (see data-sheet)  
@ 0.35kg/m<sup>2</sup>



## Technical Data Sheet

### TRAZCON® CAR PARK (Top deck)

PMMA self-levelling screed

**Trazcon® Car Park (top deck)** is a poly methyl methacrylate based, self-levelling floor screed that incorporates a water-proof membrane. The system is designed to withstand the thermal stresses that can be experienced outdoors.



### Standard Colour Chart



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## ARCHITECTURAL SPECIFICATION

### Preparation

Remove all laitance, contaminants, traces of dirt and grease from the substrate and ensure that it is dry. Approved preparation methods are shot blasting scabbling or diamond grinding, the method selected should be appropriate for the substrate.

### Installation

Install **Trazcon**<sup>®</sup> RS Car Park (Top deck), priming surface with **Trazcon**<sup>®</sup> P17U priming resin, membrane consisting of **Trazcon**<sup>®</sup> C10V resin, basecoat consisting of **Trazcon**<sup>®</sup> C68V resin and filler broadcast with colour quartz (size 0.7-1.2) and seal with 1 no. coats of **Trazcon**<sup>®</sup> C22; all in accordance with the manufacturer's instructions.

### SUBSTRATE

Cementitious substrates must be sound, dry and free of laitance, loose particles, oil, dust, grease and contaminants which could cause future delamination. It should have a compressive strength > 25 N/mm<sup>2</sup>, a cohesive strength > 1.5 N/mm<sup>2</sup> and moisture content < 5.0%.

**Trazcon**<sup>®</sup> systems are designed to follow the contours of the existing concrete substrate, therefore there cannot be any sudden irregularities, undulations or high spots.

### AFTERCARE – CLEANING & MAINTENANCE

The slip resistance and therefore the functionality of the system is dependent on reasonable housekeeping. This ensures protection against external agents, prolongs the life of the system and helps maintain its appearance.

The use of mechanical equipment with a powerful vacuum attachment will produce the best results without leaving residues. Stubborn marks will be removed easier if 'Scotchpad' type pads are used on the machines. On textured and anti-skid surfaces the use of cleaning machines with cylinder brushes rather than rotary will prove more effective. Chemical spillages should be dealt with immediately to prevent staining or damage. Do not allow to pool on the system for long periods of time.

Any cracks caused by structural movement should be repaired as soon as possible to avoid liquids penetrating to the substrate. Any damaged areas that expose the substrate or relocation of equipment that leaves boltholes in the floor, should be repaired as soon as possible.

The profile on all textured floors will wear over time regardless of any cleaning regimes and will need to be renewed. **Trazcon**<sup>®</sup> MMA resins will achieve this with the minimum of disruption and downtime to the client.

### LIFE EXPECTANCY

Greater than 10 years, subject to correct maintenance regime.

### PROPERTIES

- Low-temperature flexibility
- High UV resistance
- Good mechanical and chemical resistance
- Profiled finish
- Extremely short curing time (one hour)
- Easy application
- Solvent-free

### AREAS OF APPLICATION

- Outdoor use, especially in areas subject to extreme thermal stress
- For moderate to high mechanical stresses
- Slip resistant coating for both wet and dry areas

### TECHNICAL DATA

Texture:	Profiled
Finish:	Semi-gloss
Thickness:	5mm
Curing time:	Full chemical cure - 1 hour
Compressive strength:	25 N/mm <sup>2</sup> – DIN1164
Tensile strength:	12 N/mm <sup>2</sup> – DIN1164
Chemical resistance:	Refer to <b>Trazcon</b> <sup>®</sup> PMMA Chemical Resistance Chart
Temperature resistance:	+50°C
Abrasion resistance:	Class AR1 – Heavy duty
Colour range:	Refer to <b>Trazcon</b> <sup>®</sup> colour charts

### APPLICATION STAGES

1. Prepare the substrate
2. **Primer:** **Trazcon**<sup>®</sup> P17U & A51I (Ratio 5.3:1) @ 400g/m<sup>2</sup>
3. **Membrane:** **Trazcon**<sup>®</sup> C10V @ 1,000g/m<sup>2</sup>
4. **Basecoat:** **Trazcon**<sup>®</sup> C68V & Filler 102 (Ratio: 1:1) @ 1,250g/m<sup>2</sup> (Resin content) and a full broadcast of colour quartz size 0.7-1.2 mm
5. **Seal:** **Trazcon**<sup>®</sup> C22 @ 600g/m<sup>2</sup>



## Technical Data Sheet

### TRAZCON® CAR PARK (Intermediate deck)

PMMA concrete coating system

Trazcon® Car Park (Intermediate deck) is a poly methyl methacrylate, concrete coating system.



### Standard Colour Chart



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## ARCHITECTURAL SPECIFICATION

### Preparation

Remove all laitance, contaminants, traces of dirt and grease from the substrate and ensure that it is dry. Approved preparation methods are shot blasting scabbling or diamond grinding, the method selected should be appropriate for the substrate.

### Installation

Install **Trazcon**<sup>®</sup> RS Car Park (Intermediate deck), priming surface with **Trazcon**<sup>®</sup> P17U priming resin, broadcast with colour quartz (size 0.4-0.8) and seal with 1 no. coats of **Trazcon**<sup>®</sup> C22; all in accordance with the manufacturer's instructions.

### SUBSTRATE

Cementitious substrates must be sound, dry and free of laitance, loose particles, oil, dust, grease and contaminants which could cause future delamination. It should have a compressive strength > 25 N/mm<sup>2</sup>, a cohesive strength > 1.5 N/mm<sup>2</sup> and moisture content < 5.0%.

Sudden irregularities must not be present in the substrate. The maximum deviation allowed is 3mm when measured from the underside of a 3M straight-edge placed anywhere on the surface.

### AFTERCARE – CLEANING & MAINTENANCE

The slip resistance and therefore the functionality of the system is dependent on reasonable housekeeping. This ensures protection against external agents, prolongs the life of the system and helps maintain its appearance.

The use of mechanical equipment with a powerful vacuum attachment will produce the best results without leaving residues. Stubborn marks will be removed easier if 'Scotchpad' type pads are used on the machines. On textured and anti-skid surfaces the use of cleaning machines with cylinder brushes rather than rotary will prove more effective. Chemical spillages should be dealt with immediately to prevent staining or damage. Do not allow to pool on the system for long periods of time.

Any cracks caused by structural movement should be repaired as soon as possible to avoid liquids penetrating to the substrate. Any damaged areas that expose the substrate or relocation of equipment that leaves boltholes in the floor, should be repaired as soon as possible.

The profile on all textured floors will wear over time regardless of any cleaning regimes and will need to be renewed. **Trazcon**<sup>®</sup> MMA resins will achieve this with the minimum of disruption and downtime to the client.

### PROPERTIES

- High UV resistance
- Good mechanical and chemical resistance
- Profiled finish
- Extremely short curing time (one hour)
- Easy application
- Solvent-free

### AREAS OF APPLICATION

- For moderate to high mechanical stresses
- Slip resistant coating for both wet and dry areas

### TECHNICAL DATA

Texture:	Profiled
Finish:	Semi-gloss
Thickness:	2mm
Curing time:	Full chemical cure - 1 hour
Compressive strength:	75 N/mm <sup>2</sup> – DIN1164
Tensile strength:	30 N/mm <sup>2</sup> – DIN1164
Chemical resistance:	Refer to <b>Trazcon</b> <sup>®</sup> PMMA Chemical Resistance Chart
Temperature resistance:	+60°C
Abrasion resistance:	Class AR1 – Heavy duty
Colour range:	Refer to <b>Trazcon</b> <sup>®</sup> colour charts

### APPLICATION STAGES

1. Prepare the substrate
2. **Primer:**  
**Trazcon**<sup>®</sup> P17U & A51I (Ratio 5.3:1) @ 600g/m<sup>2</sup>
3. Full broadcast of colour quartz size 0.4-0.8 mm
4. **Seal:** **Trazcon**<sup>®</sup> C22 @ 600g/m<sup>2</sup>



## Technical Data Sheet

### TRAZCON® PMMA Water-proof Membrane

**Trazcon® PMMA** Water-proof Membranes are poly methyl methacrylate, roll applied, and have excellent crack bridging properties. The membranes are generally 2mm thick and comprise of a 1mm C10V layer and a second 1mm C68V layer.

#### PROPERTIES

- Elastomeric
- Excellent crack bridging properties
- Low-temperature flexibility
- High impact resistance

#### AREAS OF APPLICATION

- Balcony water-proofing
- Concrete flat roof water-proofing
- Car Park 'Top-deck' water-proofing

#### ADDITIONAL AREAS OF APPLICATION

- Outdoor areas subject to thermal stress
- Cold stores
- Indoor areas subject to high impact

#### Balcony Water-proofing:

This system has proven itself as a seal for balcony under-structures and mezzanine ceilings.

Prepare and prime the substrate using a **Trazcon®** proprietary priming resin. After curing, install a **Trazcon®** C10V membrane to a depth of 1.0mm. The coating must be pulled up a few centimetres at joints to walls, pillars, etc. so as to avoid water migrating behind if the floor is not level. After curing, a second membrane made with **Trazcon®** C68V is applied at the same thickness. If the subsequent floor coating consists of cement mortars or tile adhesive, the second coat must be sprinkled liberally with 1.2-1.8mm quartz before it has cured, in order to ensure interim adhesion. This two-layer membrane coat has a 2mm thickness.

#### Flat roof Water-proofing:

Flat roofs made from solid concrete can be covered with such a two-layer membrane. It is recommended that 1.2-1.8mm quartz is sprinkled into the surface of the last coat.



## TRAZCON® C10V Resin

**Trazcon® C10V** resin is a highly flexible modified methacrylic resin suitable for the manufacture of membrane layers on and water-proofing of concrete substrates.

**Trazcon® C10V** resin is characterised by a very high elasticity that ensures a lasting flexibility so that movements in the substrate can be better absorbed. Due to the surface tackiness the coating surface will become contaminated with dust or dirt. However, as a membrane coat made from **Trazcon® C10V** resin is generally covered by an PMMA screed, tiles, or other coating, this contamination issue can be ignored.

### CHARACTERISTICS OF TRAZCON® C10V AS DELIVERED:

Property	Measuring method	Approx. value
Viscosity at +20°C	DIN 53 015	300-500 mPa · s
Flow time at +20°C	ISO 2431	50-70 sec.
Density D <sub>4</sub> <sup>20</sup>	DIN 51 757	0.98 g/cm <sup>3</sup>
Flash point	DIN 51 755	+10°C
Pot life at +20°C		12-15 min.
Application temperature		+10°C to +30°C
Ultimate elongation, when cured		250% at +23°C

## TRAZCON® C68V Resin

**Trazcon® C68V** resin is a solvent-free, 2-component methacrylic resin that has high impact resistance, low-temperature flexibility and excellent crack bridging properties. Its molecular structure makes it very suitable for self-levelling coatings subject to extreme stresses, predominantly in cold stores or outdoors.

Because of its high viscosity, coarse fillers of self-levelling systems are suspended in the resin for longer periods so that no separation between fine and coarse particles occurs (particle homogeneity). This has a further beneficial effect on crack bridging.

### CHARACTERISTICS OF TRAZCON® C68V AS DELIVERED:

Property	Measuring method	Approx. value
Viscosity at +20°C	DIN 53 015	1000 mPa · s
Flow time at +20°C	ISO 2431	135-165 sec.
Density D <sub>4</sub> <sup>20</sup>	DIN 51 757	0.98 g/cm <sup>3</sup>
Flash point	DIN 51 755	+10°C
Pot life at +20°C		15 min.
Application temperature		+5°C to +30°C



## Technical Data Sheet

### TRAZCON® EP4

Epoxy Damp-proof Membrane

**Trazcon® EP4** is an ultra-low viscosity, pore filling, water-pressure resistant, concrete damp-proof membrane.

#### APPLICATION ADVICE

Components A and B are supplied in the correct mixing ratio. Do not mix part quantities. Use a suitable electric paddle (300-400 rpm) and continue mixing for at least two minutes until an homogeneous, non-streaky mixture is obtained. The mixed material must be poured into a clean bucket and mixed again briefly.

Pour out the mixed epoxy resin onto the substrate and spread it with a rubber squeegee. After a short time, approx. 10 minutes, the epoxy excess must be removed again using a rubber squeegee. The remaining epoxy resin can be rolled out with a lint free, epoxy resin-proof roller. Heavy films and ponding must be avoided.

The waiting time between the coats depends on the absorbency of the substrate and is normally between one and three hours. Before applying a second coat, if required, substrate impregnation of the first coat must be evident.

Material consumption is a minimum of 150 g/m<sup>2</sup>. However, application must continue until the substrate is fully impregnated.

Treated substrates can be coated with all **Trazcon®** Flooring systems. The coating material can be applied once the surface is no longer tacky or at some time in the future. The EP4 treated surface must be sanded with coarse sandpaper before priming.

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## SUBSTRATE

### Curing:

The green concrete substrate must be clean and free from laitance, debris, loose or flaking material and dust. It must be dry, so that it is sufficiently absorbent.

### Pore filling primer:

The substrate must be clean and free from laitance, debris, loose or flaking material and dust. It must also be free from contamination such as oil, grease, loose particles, organic growth etc. and dry, so that the substrate is sufficiently absorbent.

## WASTE DISPOSAL (IMPORTANT PLEASE NOTE)

Residual mixtures of component A and component B must not be kept in buckets after completion of the installation and must be moved out of the building since the chemical reaction will generate high temperature in the resin which will lead to white smoke. Pour the resin into brick or concrete waste and wait until resin is cured safely.

## PACKAGING AND COLOURS

- 5 kg combination container
- 20 kg combination container
- Green - transparent

## SHELF LIFE

One year if stored in the unopened original container in a cool (< 25°C), dry and frost-free location. Do not expose to direct sunlight!

## EQUIPMENT CLEANING

The tools must be washed thoroughly with a suitable solvent immediately after use.

## LABELLING

Giscode: RE 1

A component: Irritant, hazardous to the environment

B component: Corrosive

EU Directive 2004/42/EC (VOC Paints Directive)

The maximum VOC content permitted in EU Directive 2004/42 (product category IIA/j type Lb) in the ready-to-use state is 500g/litre (limit 2010). The maximum VOC content of **Trazcon**® EP 4 in the ready-to-use state is < 500g/litre.

## PROPERTIES

- Excellent substrate penetration.
- Non-film forming,
- Permanent sealant (withstands water pressure),
- Short curing time,

## AREAS OF APPLICATION

### Curing:

- Curing of floor screed and green concrete,
- Reduction of plastic shrinkage cracks as a result of early drying-out,
- **Trazcon**® Flooring systems can be installed within 24 hours (temperature dependant),

### Pore filling primer:

- For priming concrete slabs that do not have a damp-proof membrane installed.

## TECHNICAL DATA

Mixing ratio: Comp. A:Comp. B 100:28.

Minimum hardening temp: +8°C  
(room and substrate).  
Note the dew point!

Optimum processing temp: +8 to +30°C

Pot life: +8°C – 40 min  
+20°C – 20 min  
+30°C – 10 min

Curing time: +8°C > 48 hours  
+20°C > 24 hours  
+30°C > 12 hours

Consumption: 150g / m<sup>2</sup> minimum  
saturation /  
m<sup>2</sup> maximum



## Technical Data Sheet

### TRAZCON® BUND LINER

PMMA pigmented bund lining system

Trazcon® Bund Liner is a poly methyl methacrylate bund lining system.



#### Standard Colour Chart



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## ARCHITECTURAL SPECIFICATION

### Preparation

Remove all laitance, contaminants, traces of dirt and grease from the substrate and ensure that it is dry. Approved preparation methods are shot blasting, scabbling or diamond grinding the horizontal surfaces and diamond grinding the vertical surfaces, the method selected should be appropriate for the substrate.

### Installation

Install **Trazcon® Bund Liner** to all horizontal and vertical surfaces; priming surface with a **Trazcon®** proprietary priming resin, applying a scratch coat, where required, to fill blow holes, membrane consisting of **Trazcon® C68V** and filler, basecoat consisting of **Trazcon® C22** resin and filler and seal with 1 no. coats of **Trazcon® T31R**; all in accordance with the manufacturer's instructions.

### SUBSTRATE

Cementitious substrates must be sound, dry and free of laitance, loose particles, oil, dust, grease and contaminants which could cause future delamination. It should have a compressive strength > 25 N/mm<sup>2</sup>, a cohesive strength > 1.5 N/mm<sup>2</sup> and moisture content < 5.0%.

**Trazcon®** systems are designed to follow the contours of the existing concrete substrate, therefore there cannot be any sudden irregularities, undulations or high spots.

### AFTERCARE – CLEANING & MAINTENANCE

Refer to **FloorTech®** Cleaning Manual.

Chemical spillages should be dealt with immediately to prevent staining or damage.

### LIFE EXPECTANCY

Greater than 10 years, subject to correct maintenance regime.

- Pigmented concrete coating for vertical and horizontal surfaces
- Water & liquid resistant
- Abrasion resistant
- Chemical resistant

### AREAS OF APPLICATION

- Cementitious substrates
- For low to moderate mechanical stresses

### TECHNICAL DATA

Texture:	Smooth
Finish:	Semi-gloss
Thickness:	2mm on vertical surfaces and 4mm on horizontal surfaces
Curing time:	Full chemical cure - 1 hour
Chemical resistance:	Refer to <b>Trazcon®</b> PMMA Chemical Resistance Chart
Temperature resistance:	+60°C
Abrasion resistance:	Class AR2 – Medium duty
Colour range:	Refer to <b>Trazcon®</b> colour charts

### APPLICATION STAGES

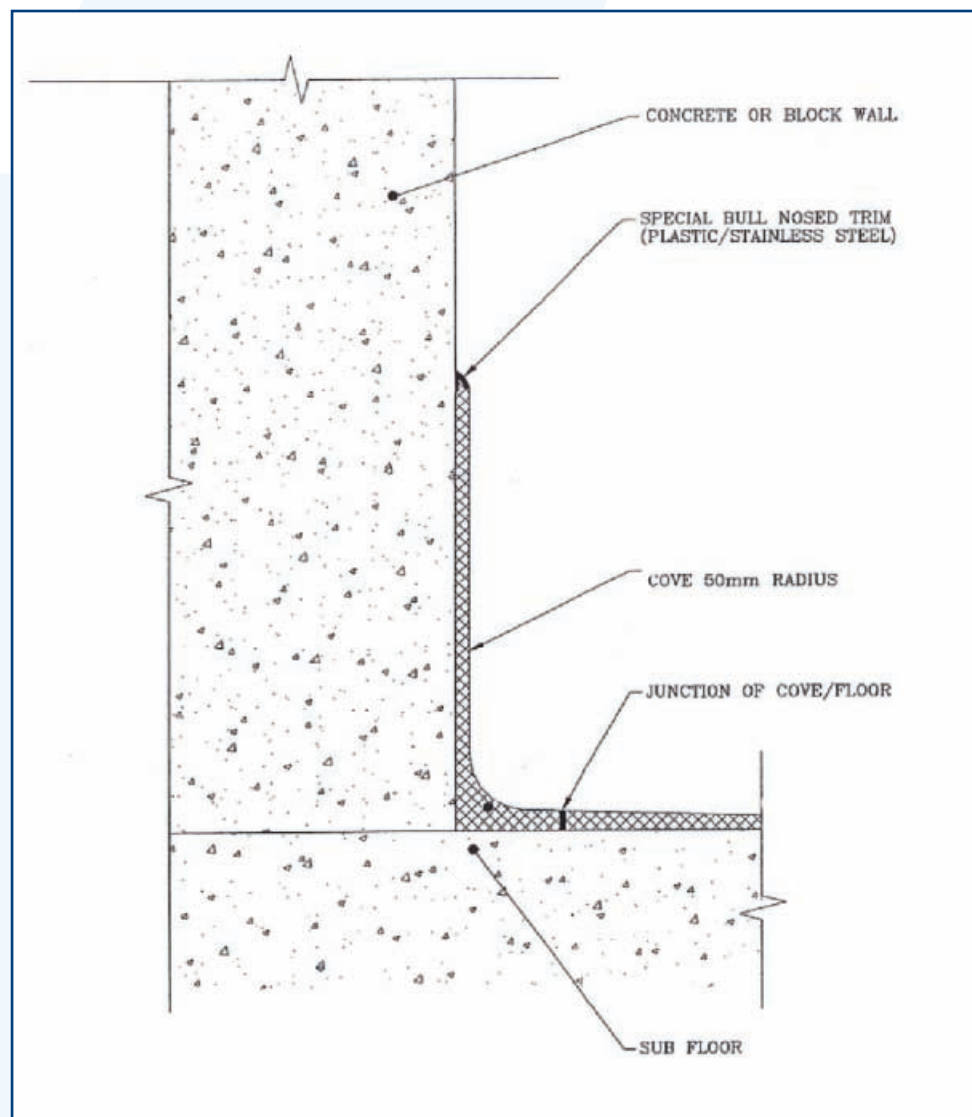
1. **Preparation**  
Grind all vertical and horizontal substrates to remove surface laitance and contaminants.
2. **Trazcon® EP4 DPM** (if required, for green concrete)  
Install **Trazcon® EP4** Damp Proof Membrane to all vertical and horizontal surfaces and allow two days for curing. N.B. It is imperative that temperatures do not drop below 6°C during installation and/or curing.
3. **Priming**  
Prime all substrates using a **Trazcon®** proprietary priming resin, broadcast with 0.7 – 1.2mm quartz and allow to cure.
4. **Scratch coat**  
Apply a scratch coat to all vertical and horizontal surfaces and allow 1 hour for curing. The scratch coat is used to fill blow-holes in the substrate and may not be required for horizontal surfaces.
5. **Membrane**  
Install a **Trazcon® C68V** flexible membrane to all surfaces at 1mm to vertical and 2mm to horizontal surfaces and allow to cure.
6. **Pigmented Coating**  
Install a **Trazcon® C22** pigmented base-coat to specified colour at 1mm to vertical and 2mm to horizontal surfaces.
7. **Top Coat**  
Apply 1 no. coat of T31R top coat resin.

## Technical Data Sheet

### TRAZCON<sup>®</sup> COVED SKIRTING

PMMA based coved skirting

Trazcon<sup>®</sup> Coved Skirting is a smooth finish, poly methyl methacrylate, colour quartz coved skirting system that is finished in conjunction with the floor and is used where the right angle of the wall and floor junction needs to be removed for health & safety reasons e.g. hygiene.



## ARCHITECTURAL SPECIFICATION

### Preparation

Diamond grind all edges to thoroughly clean, dry and remove all laitances, traces of dirt, grease and contaminants. Install termination trims at a height of 100mm.

### Installation

Install **Trazcon® Coved Skirting** colour quartz based, coved skirting system to 100mm height with a 50mm radius; priming surface with a **Trazcon®** proprietary priming resin, basecoat consisting of **Trazcon® C21S** and coloured quartz and seal with 1 no. coat of **Trazcon® T32** and 1 no. coat of **Trazcon® T31R**; all in accordance with manufacturers instructions.

### SUBSTRATE

Cementitious substrates must be sound, dry and free of laitance, loose particles, oil, dust, grease and contaminants which could cause future delamination. The preferred substrate preparation is grinding.

**FloorTech®** have a range of primers designed for application on various substrates such as wood, steel, ceramic & quarry tiles, terrazzo and indoor asphalt. Please contact our technical department.

## PROPERTIES

- Monolithic seamless surface
- Colours to match floor coating
- Smooth
- Low maintenance
- High abrasion resistance
- UV resistant
- Hygienic

## AREAS OF APPLICATION

- Used in conjunction with **Trazcon®** floor coatings
- Indoor use only

## TECHNICAL DATA

Texture:	Smooth
Finish:	Semi-gloss
Height:	100mm
Radius:	50mm
Colour:	See colour charts

## APPLICATION STAGES

1. Prepare the substrate
2. Install termination trims at a height of 100mm.
3. Prime using a **Trazcon®** proprietary priming resins (see data-sheets)
4. Install the base coat using **Trazcon® C21S** basecoat resin (see data-sheet), and coloured quartz.
5. Apply 1 no. top coat of **Trazcon® T32** top coat resin (see data-sheet)
6. Apply 1 no. top coat of **Trazcon® T31R** top coat resin (see data-sheet)

## Putting down the foundations for better business

If you're refurbishing a business property, then there's no better time to look at getting the most efficient and economical flooring for your building – one that can save you money over the lifetime of your investment.

## A Sound Investment

So, as soon as you've decided on your renovation, get in contact with **FloorTech**<sup>®</sup>. We will be happy to advise on the best flooring solution for the building and for your business. What's more, when it comes to flooring installation, with the 2 hour cure time of our products, your business will be up and running much more quickly than with traditional flooring material. And when it's complete, you can look forward to lower maintenance and cleaning costs over the lifetime of the floor.

## A Great Choice

A **FloorTech**<sup>®</sup> renewable floor is designed to last as long as your business – one that will look as good as the day it's installed to the day you move. When it comes to flooring, no one has more expertise or offers a better range of flooring to meet the needs of your business. Talk to **FloorTech**<sup>®</sup> today to get the best flooring for your business now and for the future.

## Certification for Ease of Mind

- Slip Resistance (BS 7976-2:2002)
- Food Conformity (EN 1186)
- Fire Certification (EN 11925-2)
- Electrical Resistance (EN 1081)





## **FLOORTECH®** **Cleaning and Maintenance Manual**

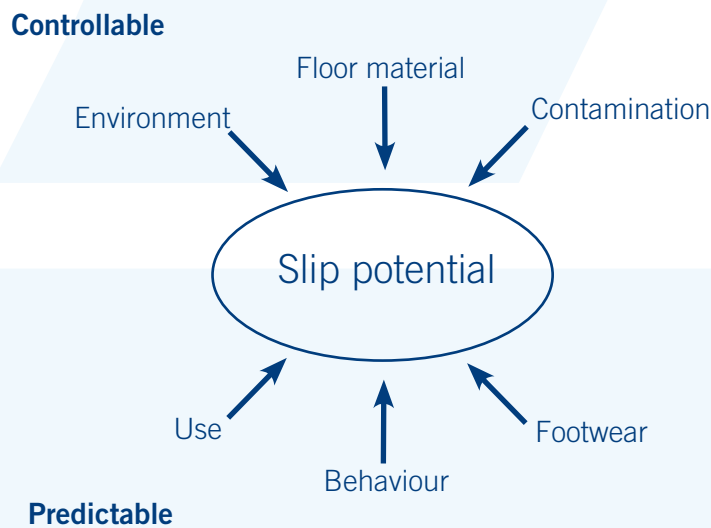
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## General Information

The slip resistance and therefore the functionality of your floor is dependent upon your attention to maintaining reasonable housekeeping. This ensures protection against external agents, prolongs the life of your floor and helps maintain its appearance.

Research has shown that a combination of predictable and controllable factors can contribute to slip potential.



(Adapted from [www.hse.gov.uk](http://www.hse.gov.uk))

Floor cleaning is key in controlling many slip and trip accidents. It is widely accepted, and most research confirms that surface contamination with liquids or solids is the main cause of accidental pedestrian slips; it is almost impossible to slip on a dry, clean floor. There is contamination involved in almost all slip accidents. The utilisation of inappropriate or ineffective cleaning regimes to manage unintentional and avoidable contamination is also a major contributor to slips.

The most slip-resistant surfaces can become slippery if not correctly maintained. Frequently, cleaning processes are poorly managed with the emphasis placed on aesthetic appearance in preference over the restoration of the surface to its original pre-contaminated slip-resistance finish. Vast amounts of money and time are often spent specifying slip resistant surfaces, only to find at a later date that an ineffective cleaning and maintenance regime has rendered them useless.

Cleaning of the **FloorTech**<sup>®</sup> flooring depends on a good management system to preserve the original slip resistance of the floor surface. Several factors must be considered and accommodated in order for a schedule to be efficient and effective.

These include the floor environment, pedestrian traffic, the use of suitable detergents together with the appropriate cleaning methods and procedures. The final result of cleaning should be the restoration of the surface to the same level of functionality and aesthetic appearance that existed prior to contamination.

## Fundamentals of Efficient Cleaning

Clean and dry flooring surfaces possess a low slip potential, the majority of slip accidents occur in the presence of a contamination between the floor surface and foot. The likelihood of a slip occurring is greatly reduced if contamination is controlled by the means of an effective cleaning procedure.

In order for a cleaning regime to be effective there are a number of basic elements that should be considered:-

- Before establishing a floor cleaning protocol, the specific contaminants must be identified in order to enable the selection of the appropriate cleaning agent.
- The cleaning tools provided should be appropriate for use with the floor in question – it may be necessary to assign dedicated tools for specific areas.
- Regular cleaning of the floor should be scheduled, specifying the responsible person and time of day or night (dependent on likely volume of pedestrian traffic) cleaning should take place.
- Clear instruction should be provided as to the cleaning requirements and procedures and the correct use and disposal of detergents.
- Contaminants should be identified through routine inspection of floor surfaces.

Contamination cleansing routines are dependent upon a number of factors including the type of surface to be cleaned, the contamination present, the availability of chemical cleaning agents and the practicality of manoeuvring cleaning machinery in the given space. Beyond the method used, it is imperative to ensure all contaminants are removed following the cleansing process, the freshly cleaned floor must be thoroughly rinsed with clean water to make certain that all cleaning agents are removed and the floor is dry on completion. Failure to conduct these last actions can lead to a build-up of concentrated contaminate and cleaning agent of the surface of floors. These contaminant and cleaning agent residues will combine with any water subsequently applied to form an emulsion that can spread over the floor's surface, significantly increasing the slip potential.

## Detergent Selection

**FloorTech**<sup>®</sup> strongly recommend the use of a standard alkaline cleaning solution with a pH value of approximately 11.

**FloorTech**<sup>®</sup> has its own cleaning solution namely CL28 which has been specially developed for the **Trazcon**<sup>®</sup> flooring range. It contains Sodium Metasilicate as the alkaline builder, which is used to control water hardness and maintain alkalinity to build cleaning efficiency. It saponifies (turns into soap) acidic substances such as fatty acids, found in all natural oils, and thereby increases cleaning efficiency. It also has a function in suspending dirt in the cleaning solution and is non-nutritive to plants so it will not cause alga blooms. The efficacy of CL28 is not just provided by the Sodium Metasilicate however it is boosted by the blend of detergents used in the formulation.

Alkali or acid based cleaning agents used correctly will not cause problems but be aware that alkali based if not vacuumed off completely can leave white crystal deposits on the surface. These deposits will not damage the floor but will look unsightly and if on a textured surface may be difficult to remove if allowed to remain for too long on the surface.

Beware that some cleaning agents should not be mixed together for fear of producing very aggressive compounds. Follow the manufacturer's instructions carefully.

The application of an unsuitable detergent can often compromise the surface of a floor; the consequences can include changes to the aesthetic appearance, reduced slip or skid resistance, and reduction in cleanliness and cast uncertainty over fitness for purpose. Routine degreasing agents often contain additives such as wax or sodium silicate. The stabilisers within these agents tend to leave floor surfaces with a sticky deposit, which retains dirt.

Other aspects to be considered when using cleaning detergents include:

- Correct solution concentration and temperature;
- Soaking time;
- Scouring or brushing;
- Final rinsing.

After cleaning, any improvement in slip resistance will not be fully realised until the surface has been dried. Therefore, whenever possible, cleaning should be undertaken in sections in order to retain a dry path through the area being cleaned.

## Choosing the Right Cleaning Method and Tools

To effectively remove contaminants, the correct cleaning regime needs to be chosen. Detergent is essential if there is any greasy or oily contamination on the floor. Water on its own, regardless as to whether it is cold or hot is not effective in removing this kind of contamination. The concentration of detergent is critical to its effectiveness; too strong a solution can be as ineffective as too weak. The detergent should be left on the floor for enough time to allow effective removal of grease before rinsing and the use of scouring or brushing can increase the effectiveness of detergent.

**FloorTech**<sup>®</sup> recommends the use of a scrubber-dryer for the regular maintenance of all **Trazcon**<sup>®</sup> flooring as it has been proven in clinical trials and on site tests to be the most efficient and effective cleaning method. For all Trazcon<sup>®</sup> smooth floors we recommend the use of a red pad whereas for profiled floors we recommend the use of a brush.

The table below lists cleaning methods and their suitability for particular applications:

Methodology	Comments
Scrubber-dryer Machine	<ul style="list-style-type: none"> <li>• An effective method to clean large areas of varying types of floor coverings.</li> <li>• Assorted scrubber-drier designs lead themselves to different/ specific situations.</li> <li>• Considerable variety for both brush materials and cylindrical brush forms, dependent upon the floor covering and contaminant type.</li> <li>• Advisable to use a detergent on greasy floor coverings.</li> <li>• Abrasive pads should be avoided.</li> </ul>
Spot Cleaning	<ul style="list-style-type: none"> <li>• Suitable for cleaning small spills of water-based (polar) contaminants – a detergent is usually required for non-polar contaminants.</li> <li>• Avoids contamination spread.</li> <li>• Contamination control between scheduled floor cleaning.</li> </ul>
Squeegee	<ul style="list-style-type: none"> <li>• Produces a negative effect where the surface roughness is sufficient to allow the floor covering to remain wet.</li> <li>• If oil or grease is present, the squeegee can spread a thin layer of the contaminant over a wider area forcing it onto rough surfaces.</li> </ul>
Hose/Power Washer	<ul style="list-style-type: none"> <li>• For the removal of dust or tenacious contaminants. Particularly effective on extremely dirty slip-resistant surfaces (assuming good drainage is available).</li> </ul>
Wet Vacuum Cleaner	<ul style="list-style-type: none"> <li>• Effective for eliminating liquid spills, especially on smooth surfaces that must be restored to a completely dry state.</li> </ul>

Irrespective of the methods used, care must be taken that all contaminants are removed. All wet cleaning methods should include a final rinse with clean water and a means of drying the surface before it is re-opened to traffic. Failure to perform a final rinse with clean water can lead to a gradual build-up of concentrated contaminant and cleaning agent in any surface grooves. As further water is introduced it combines with these residues to form an emulsion that can spread over the surface, making it very slippery.

## Summary

The employment of inappropriate cleaning agents and/or cleaning methods can greatly increase the health and safety risk to pedestrians through surface slipping. Ensuring flooring surfaces are continually monitored, establishing a cleaning protocol and the provision of suitable detergents and tools all assist in the reduction of slip potential, and therefore possible future litigation involving compensation and legal fees.

In addition to the health and safety aspects associated with unsuitable detergents and ineffective cleaning methods, the utilisation of suitable cleaning practices and regimes also prolongs the life of a floor, and helps retain its original appearance and performance qualities. Regular cleaning reviews are recommended to ensure changes in usage or environmental adjustments are accommodated in revised regimes. Furthermore, occasional testing and monitoring of floor surfaces is advisable to monitor slip resistance values and ascertain the efficiency of the floor-cleaning regime.

References: HSE, Ceram, SlipSTD – [www.slipstd.com](http://www.slipstd.com)

## 1 - IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

- 1.1. Product Name: FLOORTECH<sup>®</sup> CL 28 - Food Grade Degreaser & Floor Cleaner  
1.2. Company Name: Floortech<sup>®</sup> Industries Limited T/A FloorTech<sup>®</sup>,  
Island House, Island Corporate Park, Little Island, Cork,  
Co. Cork. Ireland  
1.3. Emergency Phone Number Tel 021 435 1560 Mobile: 087 655 9690

## 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	Cas No.	Weight %	Symbols	Risk Phrases
Sodium Metasilicate	6834-92-0	1-5	Xi	36/38
Trisodium nitrilotriacetate	5064-31-3	5 - 10	Xi	R36

## 3 - HAZARDS IDENTIFICATION

May cause degreasing of skin with possible irritation and lead to easier penetration by other chemicals. Irritating to eyes and skin.

## 4 - FIRST AID MEASURES

- 4.1. Contact with eyes Rinse eyes with copious amounts of running water, seek medical advice.  
4.2. Contact with skin Remove contaminated clothing and irrigate with copious amounts of clean water.  
4.3. Inhalation  
4.4. Ingestion Do not induce vomiting. Wash out mouth with water and give plenty of water and milk to drink. Obtain medical attention immediately.  
4.6. Notes to physician

## 5 - FIRE FIGHTING MEASURES

Not flammable

## 6 - ACCIDENTAL RELEASE MEASURES

Absorb spillage in earth or sand  
Sweep or shovel-up spillage and remove to a safe place

## 7 - HANDLING AND STORAGE

- 7.1. Handling Avoid contact with skin and eyes  
7.2. Storage Store at normal room temperature  
Keep out of reach of children

## 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

- 8.1. Exposure controls No Standard  
8.2. Industrial hygiene Normal standards of industrial hygiene should be observed  
8.3. Protective equipment Normal industrial protection such as overalls, gloves, etc. Safety glasses/goggles should be worn to avoid splashing in the eyes.

## 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1.	Form	Liquid
9.2.	Colour	Yellow
9.3.	Odour	Faint
9.4.	Flash point	na
9.5.	Ignition temperature	na
9.6.	Density	1.10
9.7.	Vapour pressure	
9.8.	Viscosity	
9.9.	pH value(1% solution)	11

## 10 - STABILITY AND REACTIVITY

Stable at normal conditions  
Incompatible with strong acids

## 11 - TOXICOLOGICAL INFORMATION

Irritating to eyes, respiratory system and skin

## 12 - ECOLOGICAL INFORMATION

No evidence of bioaccumulation

## 13 - DISPOSAL

Dispose of in accordance with Local Authority requirements

## 14 - TRANSPORT INFORMATION

UN no. Not relevant  
Class  
Packaging group

## 15 - REGULATORY INFORMATION

Labelling Information



R phrases Irritating to eyes and skin.  
S phrases Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water.



#### General

If the long durability of coatings & sealants and a good bond with the substrate are to be achieved, it is essential that the latter is inspected, assessed and prepared beforehand. The most common causes of deficient workmanship, defects and complaints lie in the non-observance of these requirements.

The substrate must be sound, dry and free of laitance, loose particles, oil, dust, grease and contaminants which could cause future delamination. Moreover, the substrate must not have had any post-treatment or contain any additive agents or additives which have a negative effect on the bond or the curing of the primer to be applied.

#### Inspection of the substrate

##### Moisture

After being laid, cement screeds and concrete surfaces cannot be coated until its moisture content is 5% or less. This is not normally the case before 28 days. The substrate must have a construction damp proof membrane and be adequately sealed against ground water and rising damp (capillary moisture).

Hydrophobic concrete and hydrophobic screeds do not offer protection against moisture penetration because they let in vapour.

Moisture can be measured by means of a kiln sample (+80°C/2h), CM unit and suitable electronic measuring devices. However, the CM unit offers the most reliable figures. Rising damp can be inspected by sticking a thick polyethylene film down over an area of about 1m<sup>2</sup> in size. If the covered concrete turns dark within 24 hours through the formation of condensation, rising damp is present.

##### Firmness

The substrate must be sufficiently firm because coatings and toppings, despite their own high inherent strength, cannot offer any load distribution due to the low layer thickness. The compressive strength of concrete and composite screeds can usefully be determined using a bounce hammer (Schmidt hammer). Scratching with a steel nail or performing a pull-off test with the Herion unit can check the surface hardness. For industrial floors, the compressive strength should be at least 25 N/mm<sup>2</sup> and a cohesive strength of > 1.5 N/mm<sup>2</sup>.

##### Adhesion test

Before commencing, a sufficient number of curing and adhesion tests at various locations must always be carried out. This can be done using **Trazcon**<sup>®</sup> P11 resin mixed with hardening powder. Half of the resin is used to form a primer film. The remaining resin is mixed with sand (0.7-1.2mm) to form a viscous mortar which is then applied to about half the primed surface to a thickness of approx. 3mm. Once cured, the manual samples are chiselled off with a hammer and chisel. The surface of the substrate must adhere fully to the primer and show a definite fracture of the upper zone of the substrate.

## Preparation of the substrate

### Surface regularity

**Trazcon**<sup>®</sup> systems are designed to follow the contours of the existing concrete substrate, therefore there cannot be any sudden irregularities, undulations or high spots.

The concrete must be finished flush with all drains; not above nor below the level of the drain. The **Trazcon**<sup>®</sup> system will be 'toed-in' to the perimeter of the drain during installation.

### Contamination

Reactive resins do not adhere well to contaminated substrates, if at all. That is why, depending on the type of contamination, the surface must be cleaned wet or dry until all the pores are open. Oily and greasy substrates can be cleaned by means of special cleaners with the use of scrubbing machines, high-pressure jets or flame descalers. Flame descalers are recommended for the cleaning of substrates contaminated with chemicals and substrates which have been treated with evaporation-inhibiting sprays. Substrates to which paint, bitumen or tar are stuck are cleaned by shot blasting or grinding.

### Soft and detachable constituents

Cementitious grout, cement flakes, mortar residue and all surface constituents which do not adhere firmly to the substrate must be removed.

### Absorbency

For reactive resins to anchor themselves firmly on the surface of concrete or mortar, the primer must penetrate into the capillary structure of that substrate. A particularly high absorbency indicates that the substrate has little strength. It is therefore essential that it is primed until saturated.

### Cracks

On cementitious substrates "spidery" surface cracks have no detrimental effects on primers; however, they may need several coats before proceeding to the next application stage. Continuous shrinkage cracks can be sealed provided that the shrinkage has stopped. Settlement cracks and those resulting from structural movements are not generally bridged by reactive resin coatings and so must be prepared and filled on a one-by-one basis.

### Joints

Expansion and control joints have been incorporated into the substrate design by others. **Trazcon**<sup>®</sup> Coatings can bridge all control joints that are suitably prepared and filled.

The designed movement of expansion joints must be accommodated. These are prepared and filled with a flexible MMA resin which is brought through the coating or sealing system.

## Special advice on standard structural substrates

### Concrete

The concrete surface normally has laitance which, because of its low strength and poor adhesion to the substrate, has to be removed before any reactive resin is applied. Suitable methods for doing so depend on the condition of the substrate: scabbling, grinding, shot-blasting or flame descaling.

### Cement screeds

Cement screeds, particularly hard-aggregate screeds, can have such a dense surface that reactive resin primers can scarcely penetrate. The pores of this surface may need to be opened up e.g. by blasting. In cement screeds, the cementitious grout must be removed by scabbling or blasting. Hard-aggregate screeds can, in the most advantageous cases, be roughed up by shot-blasting. In any case, it is essential that the primer closes up the pores. Samples tests should be carried out.

### Anhydrite and magnesite screeds

Anhydrite and magnesite screeds are not resistant to moisture and therefore not suitable for MMA coatings and sealants.

### Mastic asphalt screeds

These should only be coated in indoor areas because of their considerable reaction to fluctuations in temperature. Only flexible resin coatings should be laid because mastic asphalt can deform or lose its strength under stress and under fluctuating temperatures. It is absolutely essential that the adhesion and the strength of the substrate is analysed.

### Ceramic tiles

Ceramic tiles must be firmly bonded with the substrate. In order to achieve sufficient adhesion, the surface must be mechanically roughened (e.g. by shot-blasting). **Trazcon**<sup>®</sup> P17U resin must be used as the primer along with **Trazcon**<sup>®</sup> A52M adhesion promoter.

### Metals

Prepared metal substrates, being non-absorbent, must be primed with **Trazcon**<sup>®</sup> P17U resin along with **Trazcon**<sup>®</sup> A52M adhesion promoter. Metal substrates should only be coated with flexible reactive resins. We recommend that you first consult **FloorTech**<sup>®</sup>.

**Poly methyl methacrylate (PMMA) is not classified as a hazardous material which in turn means that there are no special requirements to be followed or observed.**

However, the MMA resin and hardening powder used to manufacture poly methyl methacrylate floors are classified as hazardous materials and must be treated as such.

### **Methyl Methacrylate Resin**

When handled properly, **Trazcon**<sup>®</sup> MMA resins are safe, unproblematic and not harmful to health. Nevertheless, they must be treated like any other chemicals.

When installing **Trazcon**<sup>®</sup> MMA resins, impeccable hygienic conditions are essential if they are to be handled safely and without danger. The job site and its surroundings must be kept clean and unobstructed and identified by the erection of relevant prohibition signs. It is mandatory that work safety clothing, safety goggles and protective gloves are worn. Resin-contaminated work clothing must be changed immediately. Hands must be cleaned thoroughly during work breaks and particularly before eating. First Aid materials such as bandages, eyewash bottles etc. must be within easy reach at the workplace.

Sufficient ventilation (cross-ventilation) with fresh air must be is required while the work is being executed. Danger warnings and the safety advice shown on the relevant containers must be followed.

When **Trazcon**<sup>®</sup> MMA resins are being installed, a certain quantity of methyl methacrylate evaporates, which can be perceived as a bad odour. This level of evaporation must be monitored and respiratory equipment used if the 'safe levels' are breached.

Further information can be found on the relevant safety data sheets.

#### **A. Technical Safety Data for Methyl Methacrylate (MMA)**

- Flash point: +10 °C
- Lower explosive limit: 2.1 % v/v
- Upper explosive limit: 12.5 % v/v
- Ignition temperature: +430°C
- Ignition group: G 2 and T 2

#### **B. Risk of fire and explosion**

There is an acute risk of fire and explosion under the following conditions:

1. There must be a source of ignition of at least +430°C.

2. The following must be observed

- No smoking
- No naked flames
- No electrical appliances such as radios or mobile phones etc.
- Electrostatic charges are avoided
- No sparks given off, e.g. through grinding or welding

3. The MMA concentration must be between 2.1% and 12.5% v/v. Below 2.1% v/v (21,000 ppm) the MMA concentration is not sufficient for an explosion. Above 12.5 % v/v, on the other hand, the MMA concentration is too high; it would first have to be diluted with air so that an explosive gas/air mixture could form.

**C. Contact with the Eyes**

It is recommended that safety goggles are always worn. Should resin splashes nevertheless get into the eyes, rinse them thoroughly with lots of clear tap water. An eye specialist should then be consulted.

**D. Contact with the Skin**

Protective gloves should be worn as a matter of course. A suitable protective cream must be rubbed in to exposed parts of the skin. Splashes landing on the skin must be soaked up with absorbent paper. The skin is then washed with lots of water and mild soap, dried and rubbed with skin cream.

**E. First Aid**

See the relevant safety data sheets.

**F. Toxicity**

The chemical industry as a whole carried out comprehensive tests on the toxicity of methyl methacrylate between 1975 and 1980. The results are summarised as follows:

1. Possibility of cancer

MMA did not show any carcinogenic effect.

2. Possibility of birth defects

Experiments did not reveal any influence whatsoever on unborn creatures.

3. Possibility of mutagenic changes

A large number of mutagen tests were carried out. While a few indicated that MMA exercises a slight influence, the majority of the tests showed that MMA does not have any mutagenic effect.

Finally, it should be noted that methyl methacrylate resins have, for decades, been used as adhesives in bone surgery, e.g. for skull damage and hip joint implants, and in the dental industry to manufacture artificial teeth and dental prostheses.

**Dibenzyl Peroxide**

The hardening powder Dibenzyl Peroxide should be kept away from sources of heat above +60°C and from reducing substances such as heavy metals, accelerators, strong acids and lyes so as to avoid decomposition. In contrast to liquid peroxides, Dibenzyl Peroxide is not irritating to the skin and is only irritating to the eye given lengthy contact. In all cases please refer to our safety data sheets.

The following data are for guidance only and are applicable in room temperatures of +20°C. In practice, exposure is often associated with higher temperatures and this can lead to a deviation from the results outlined in the following table. It must be remembered that the aggressiveness of acids and other chemicals can increase as the temperature rises. It is also possible that acids on the ground will change concentration through evaporation or the absorption of moisture, making them react more aggressively.

Under some circumstances chemicals may lead to discoloration without necessarily affecting the properties of the floor finish. Please contact **FloorTech's<sup>®</sup>** Technical Department if you have any queries.

**TRAZCON<sup>®</sup> TOP-COAT RESIN**

**C22 / T38**

**T31R / T32**

**Alkalies:**

Ammonium hydroxide 10%	+	+
Ammonium hydroxide 25%	0	0
Ammonium hydroxide, alcoholic	0	0
Potassium hydroxide 10%	+	+
Potassium hydroxide 50%	+	+
Calcium hydroxide 50%	+	+
Sodium hydroxide 10%	+	+
Sodium hydroxide 50%	+	+

**Acids:**

Formic acid 10%	+	+
Formic acid 30%	-	0
Boric acid 3%	+	+
Chromic acid 20%	+	+
Chromic acid 40%	0	+
Acetic acid 10%	+	+
Acetic acid 25%	+	+
Acetic acid 30%	0	+
Acetic acid 80%	-	-
Fatty acid (tall oil fatty acid)	0	0
Lactic acid 30%	+	+
Oxalic acid 10%	+	+
Phosphoric acid 40%	+	+
Phosphoric acid, conc. (85%)	0	0
Nitric acid 10%	+	+
Nitric acid 30%	0	0
Nitric acid, conc. (65%)	-	-
Hydrochloric acid 10%	+	+
Hydrochloric acid, conc. (36%)	+	+
Sulphuric acid 30%	+	+
Sulphuric acid 50%	0	+
Sulphuric acid 80%	-	-
Citric acid 30%	+	+

**TRAZCON<sup>®</sup> TOP-COAT RESIN      C22 / T38      T31R / T32**

**Solvents:**

Petrol, 2star	+	+
Petrol, 4star	-	0
Benzene	-	-
Butanol	-	-
Butyl ether	-	-
Chloroform	-	-
Cyclohexane	+	+
Dibutyl phthalate	0	0
Dicyclophtalate	0	0
Diesel oil/heating oil	+	+
Ethyl acetate	-	-
Ethyl alcohol 10%	0	+
Ethyl alcohol 96%	-	-
Glycerine	0	+
Heptane	+	+
Hexane	+	+
Isopropyl alcohol	-	0
Kerosine	+	+
White spirit	+	+
Methanol	-	-
Methylene chloride	-	-
Monochlorobenzene	0	0
n-Propyl acetate	-	-
Perchloroethylene	0	0
Petroleum	0	+
Phenol	0	0
Styrene	0	0
Toluene	-	-
Trichloroethylene	-	-
Xylene	-	-

**TRAZCON<sup>®</sup> TOP-COAT RESIN**      **C22 / T38**      **T31R / T32**

**Water and aqueous solutions:**

Waste water (sewage)	+	+
Chlorine water	+	+
Formaldehyde 37%	+	+
Anti-freeze (glycol-based)	O	+
Tap water	+	+
Sea water	+	+
Sodium chloride 5%	+	+
Sodium chloride, saturated	+	+
Sodium hypochlorite 15%	+	+
Sodium carbonate (soda)	+	+
Soap solution	+	+
Water, deionised	+	+
Water, +80°C	O	O
Hydrogen peroxide 30%	+	+
Hydrogen peroxide 80%	O	O

**Drinks:**

Beer	+	+
Brandy 40% vol.	O	+
Vegetable juice	+	+
Lemonade	+	+
Milk	+	+
Grape juice	+	+
Wine	+	+

**Oils and greases:**

Blood	+	+
Cutting oil	O	O
Hydraulic oil (e.g. Skydrol B 500)	O	O
Linseed oil	+	+
Mineral oil	+	+
Olive oil	+	+
Vegetable fats	+	+
Castor oil	+	+
Crude oil	+	+



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**Cleaning agents:**

Chlorine bleach 15%	+	+
FEWA	+	+
Stain remover	-	-
PERSIL	+	+
PRIL	+	+
P3	+	+
P3 ASEPTO	+	+
Petroleum	0	0
REI	+	+
Sagrotan 5%	0	0
Ammonia solution	+	+
Soap water	+	+
Turpentine	+	+
Turpentine substitute (white spirit)	0	+
TOLO	+	+

**Evaluation**

**+ Resistant.**

Testing shows that the coating material may be permanently exposed to this medium.

**0 Limited resistance.**

Permanent exposure is not possible, because lengthy action could lead to significant softening or swelling. Short-term exposure (approx. 1 – 2 hours) is possible.

**- Not resistant.**

Damage could occur even from brief exposure.