

addagrip™



Addagrip 1000 System

Concrete Pavement Protection



For Taxiways, Runways, Aircraft Stands and Helipads

A member of the **TERRACO** Group

PROTECTING CONCRETE PAVEMENTS FOR OVER 30 YEARS

Addagrip 1000 System

THE COST EFFECTIVE SOLUTION TO SPALLED CONCRETE

Addagrip 1000 System Resin based concrete protection provides a durable and economical method for protecting and sealing concrete aprons, preventing FOD from spalled concrete and attack from aviation fuel, de-icers etc. Used extensively over the last 30 years on both military and civil airfields throughout the UK and overseas.

Designed as a quick and easy to apply system, the Addagrip 1000 System Resin not only protects and seals the concrete surface but also prolongs its life by an estimated 10-20 years. Recent projects vary from 100 sqm to 125,000 sqm and include taxiways, runways, aircraft stands and helipads.



- **Extends the life of concrete up to 10 - 20 years**
- **Improves skid resistance**
- **Fast installation**
- **Cost effective**
- **Less disruptive than replacing slabs**
- **Protection against fuel spillages and de-icers**
- **For taxiways, runways, aircraft stands and helipads**



SURFACE PREPARATION

The surface preparation to the concrete surface is carried out by applying controlled hot compressed air. The Addagrip Hot Compressed Air System is a combination of propane gas and compressed air ignited in a chamber. The mixture burns at a temperature of approximately 1000°C with the exhaust exiting the chamber at a rate of 350m per second. As the heat blast comes into contact with the concrete pavement it causes any water, oil or liquid contaminants to vaporise from the top few millimetres. These quickly evaporate from the surface and are blown away by the heat blast, leaving the surface capillary pores empty and open, ready to receive the Addagrip 1000 System Resin.

APPLICATION OF 1000 SYSTEM RESIN

Addagrip 1000 System Resin should be applied directly to the warm and dry prepared surface. As the concrete cools, the Addagrip 1000 System Resin will be drawn down into the open and empty capillary pores. This penetration of resin, typically 2-3mm, will lock into the structure of the concrete preventing migration of moisture.

Addagrip 1000 System Resin should then be applied at a rate to be agreed, coverage rates will depend on the porosity, texture and size of aggregate to be used. Application of the resin is by roller and squeegee or spray machine to large areas.



APPLICATION OF AGGREGATE

The Addagrip 1000 System Resin must be saturated with a chosen washed, clean and dry aggregate, typical grading between 0.8 to 2mm. High performance aggregates such as Dynagrip® can be used to resist skidding, crushing, impact and abrasion forces. Dynagrip® provides safer, long life and low maintenance surface textures.



REMOVAL OF EXCESS AGGREGATE

The Addagrip 1000 System Resin should be allowed to cure for at least 8 hours at 15°C before sweeping by vacuum assisted sweeper or by hand. If the aggregate is clean and dry it can be reused, wet aggregate should not be used. The purpose of the aggregate is to increase roughness of the pavement.





Manufacturers, formulators and suppliers of quality resin surfacing systems.
For a full range of products, detailed information and specifications please visit:

www.addagrip.co.uk

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