

# Soft Surfaces



SPORTS AND SAFETY SURFACES

## 'FREE SPACE' AREA REQUIREMENTS



### 'Free Space' Area Requirements

The 'Free Space' is the minimum area of [wetpour](#) safety surfacing which is required from the equipment as per the BS EN 1176/1177 standards.

To check the required 'Free Space' requirement, please refer to the equipment manufacturer for clarification.

#### Static Play Equipment

Generally speaking all equipment which has a CFH (Critical Fall Height) of LESS than 600mm, does not require a safety surface, however it is good practice to provide one. Equipment with a CFH of and between 0.6m - 1.50m are advised to have a 'free space' of 1.50m.

#### Swings, Slides & Roundabouts

These items have specific methods for the calculation of free space and CFH requirements. Please refer to manufacturer if know or contact one of our advisors.

*For Guidance Purposes Only*

Critical Fall Height of 1.50m

A Free Fall Space of 1.50m diameter needed

Critical Fall Height of 1.60m

A Free Fall Space of 1.56m diameter needed

Critical Fall Height of 1.70m

A Free Fall Space of 1.63m diameter needed

Critical Fall Height of 1.80m

A Free Fall Space of 1.70m diameter needed

Critical Fall Height of 1.90m

A Free Fall Space of 1.76m diameter needed

Critical Fall Height of 2.00m

A Free Fall Space of 1.83m diameter needed

Critical Fall Height of 2.10m

A Free Fall Space of 1.90m diameter needed

Critical Fall Height of 2.20m

A Free Fall Space of 1.96m diameter needed

Critical Fall Height of 2.30m

A Free Fall Space of 2.03m diameter needed

Critical Fall Height of 2.40m

A Free Fall Space of 2.10m diameter needed

Critical Fall Height of 2.50m

A Free Fall Space of 2.16m diameter needed

Critical Fall Height of 2.60m

A Free Fall Space of 2.23m diameter needed

Critical Fall Height of 2.70m

A Free Fall Space of 2.30m diameter needed

Critical Fall Height of 2.80m

A Free Fall Space of 2.37m diameter needed

Critical Fall Height of 2.90m

A Free Fall Space of 2.43m diameter needed

Critical Fall Height of 3.0m

A Free Fall Space of 2.50m diameter needed

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