

# SOLIDKOTE IMPACT

## HEAVY DUTY POLYURETHANE COATING

### DESCRIPTION

SOLIDKOTE IMPACT is a protective, high build, solventless, polyurethane resin coating specifically developed to protect concrete and steel. Solidkote Impact exhibits excellent adhesion to various substrates including resistance to abrasion, chemical attack and other physical aggression, including minor movement. Supplied as a two-pack system comprising pigmented base and a hardener, it requires only on site mixing to produce an easily applied industrial floor finish. SOLIDKOTE IMPACT can be safely used in areas where contact with foodstuffs occurs or for coating potable water storage tanks.

### ADVANTAGES

- Solvent free coating with full HACCP compliance.
- Easy to clean seamless finish.
- High order of durability and adhesion properties.
- Resistance to abrasion, impact, chemical attack and penetration.
- Low sensitivity to moisture.
- Easily application

### APPLICATIONS

- Heavy duty industrial works spaces
- Chemical Processing
- Food preparation/wet areas
- Brewing/dairy clean areas
- Engineering and processing
- Tank linings
- Metal surfaces

Suitable substrates:

Concrete, polymer reinforced, grano concrete, asphalt, mild steel and wood.

### TYPICAL PROPERTIES

Appearance:	Semi-gloss, satin finish
Pot life at 20°C:	25 min
S.G:	1.5
Initial film set time at 20°C:	3 hours
Light traffic resistance:	12-16 hours
Heavy traffic resistance:	4 - 5 days
Coverage: Roller applied	30m <sup>2</sup> / 5L kit @ 150um
Coverage: Trowel & spike roll	9m <sup>2</sup> / 5L kit @ 500um
Bond to concrete:	In excess of cohesive strength of concrete
Application limits:	Temp: 0 - 30°C
	Relative humidity: Max 75%

### PRECAUTIONS

Ensure substrate is fully dry not more than 10% moisture content. The storage, mixing and application conditions can affect the quality of the finish produced.

### DIRECTIONS

To be assured of maximum adhesion and properties the correct surface preparation is essential. Removal of all pre-existing coatings is essential. Remove all grease, oils, debris and contaminants with a suitable cleaner. It is preferable to vacuum dry the substrate to speed up drying after cleaning. Ensure that the substrate is fully dry; where necessary a moisture test may be required. Prime the surface with Solidkote Impact primer. On metal substrates priming is not required. Ensure that the primer is uniform, where a matt finish is prevalent additional coats of primer should be applied until uniform visible seal. Apply the Solidkote Impact within 48 hours after the last primer coat has been applied. Mix the Solidkote Impact Resin to ensure a uniform mix, after which add the full contents of hardener. Mix for 2 – 3 minutes until uniform. Using a steel trowel spread at 300 - 500µm. Spike roll to obtain a bubble and trowel mark

free finish. Alternatively for coatings onto steel surfaces brush or roll out using a short Mohair roller. Maintaining Solidkote Impact by regular scrubbing or mopping with Liquid Action, will maintain this system in serviceable condition. Damaged areas of this system should be patch-repaired/replaced in order to ensure longevity

of the work area. The raw materials used in this system have been tested by Campden and Chorleywood (food authorities in Europe) as non-tainting and non-odour producing and suitable for use in food production areas.