

DATA SHEET

117 **SAFE-FLOOR**

(Page 1 of 5)

V1-28/11/2014

DESCRIPTION

- A twin pack Polyurethane floor coating which is extremely tough and non-slip, even in cold and wet conditions.
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USES

- Floors where safety is important e.g. Old Age Homes, ablution blocks, shower floors, etc. Steps, ramps and boat decks.
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PROPERTIES

- Non-slip and safe to walk on
 - Abrasion resistant and weather resistant
 - Excellent adhesion to most substrates including concrete, wood, primed metal and fiberglass
 - Chemical resistant (See chart)
 - Excellent gloss retention
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DATA SHEET

117
SAFE-FLOOR

(Page 2 of 5)

V1-28/11/2014

COVERAGE

- 1 to 2m²/l (1m²/l gives about 500 micron D.F.T.)
- SURFACE CHANGES :

Fresh water	None	Petrol	None
Sea water	None	Diesel	None
Nitric acid (10%)	None	Motor oil	None
Acetic acid (10%)	None	White Spirits	None
Acetic acid (conc)	Softening	Xylene	None
Sulphuric acid (50%)	None	Toluene	None
Caustic soda (20%)	None	MEK	Softening
Bleach	None	MIBK	Softening
Dish Liquid (detergent)	None	MEG	None
Handy Andy	None	Alcohol (Isopropanol)	None
Brake Fluid	None		

DATA SHEET

117 **SAFE-FLOOR**

(Page 3 of 5)

V1-28/11/2014

SURFACE PREPARATION AND PRIMING

1. CEMENT SURFACES

New floors should be allowed to dry for 4 to 5 weeks. Smooth floors should be acid etched with a 10% Hydrochloric Acid solution then rinsed well with water. Grease should be removed with a suitable degreaser and then rinsed with water. It is essential that the floor is clean, dry and suitably etched.

OPTIONAL: Prime with a single coat of Epoxy Penetrating Primer. Apply at approximately 10m²/ℓ then allow it to dry for 4 Hrs minimum and 48 Hrs maximum (at 23°C) before overcoating with Safe Floor

2. FERROUS METAL

Remove rust, millscale, grease and any contaminants. The surface should be clean and dry. For the longest life sandblasting is the best method of preparation.

Prime with Twin Pack Etch Primer. Apply a thin film at approximately 12m²/ℓ then allow to dry for 2 hours minimum and 6 Hrs maximum (at 23°C) before over coating with Safe Floor.

3. GALVANISED IRON & ALUMINIUM

Wash with Galv-o-Clean until a water -break-free surface is obtained. Rinse galvanized iron with water and aluminium with solvent, such as Lacquer Thinners. Prime with Twin Pack Etch Primer. Apply a thin film at approximately 12m²/ℓ then allow it to dry for 2 Hrs minimum and 6 Hrs maximum (at 23°C) before over-coating with Safe Floor.

4. WOOD

Sand down and fill all imperfections. The surface must be clean and dry. Apply Safe-Floor direct.

5. FIBREGLASS

Abrade surface with approximately 220 grit sandpaper. Wash down with detergent and rinse clean. Prime with a single coat of Twin Pack Etch Primer. Apply a thin film at approximately 12m²/ℓ then allow to dry for 2 Hrs minimum and 6 Hrs maximum (at 23°C) before over coating with Safe Floor.

DATA SHEET

117
SAFE-FLOOR

(Page 4 of 5)

V1-28/11/2014

6. PREVIOUSLY PAINTED

If the previous coating is a good quality Epoxy or Twin Pack Polyurethane paint it can be abraded with 100 to 220 grit sandpaper, then washed and allowed to dry. Other paints should be stripped to a bare surface and treated as new work.

7. APPLICATION

Can be applied by brush, roller or spray
Best results are achieved by roller (foam 'stipple' type) or spray application
Spray: Use an 'undercoating gun' or 4 – 6mm nozzle with conventional spray
Can also be applied by airless spray
Apply 2 or 3 coats

Overcoating:

Can be over-coated with Polyurethanes within the specified time intervals after which it is necessary to abrade surfaces to a matt finish.

Cleaning:

Clean equipment with Water Soluble Brush Cleaner before the material cures.

8. SAFETY

Inhalation : Move to fresh air. In case of any discomfort seek medical attention immediately.
Skin : Drench with water. Remove contaminated clothing. Use a skin cleaner.
In severe cases refer to Doctor.
Eyes : Rinse immediately with plenty of water. Seek medical advice if symptoms persist.
Ingestion : Wash mouth with plenty of water. Do NOT induce vomiting, seek medical attention.

DATA SHEET

117
SAFE-FLOOR

(Page 5 of 5)

V1-28/11/2014

TECHNICAL DATA

TYPE	: Acrylic / Urethane (twin pack)
APPEARANCE	: Glossy texture
DRYING TIME	: touch dry : 2 hours @ 23°C : hard dry : 8 hours @ 23°C : overcoating : 4 hours @ 23°C : light traffic : after 24 hours @ 23°C
VOLUME SOLIDS	: 55%
MIX RATIO	: 4:1 by volume
POT LIFE	: 4 hours @ 23°C
THINNER	: Polyurethane thinners
COLOUR RANGE	: Venetian Red, Chrome Oxide : Green, Light Grey, Black
PACK SIZE	: 1lt, 5lt
CLEAN UP	: WSBC can be used to clean up (but not for thinning)
APPLICATION	: By stipple roller, brush or airless spray



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