



MANUAL SECTION  
*Flooring*

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## TERRATUFF SLE SELF LEVELLING EPOXY

**GENERIC TYPE:**

A solvent free, two pack, pigmented, self levelling epoxy resin based flooring system.

**TYPICAL PROPERTIES/  
FEATURES:**

- TERRATUFF SLE is a self levelling epoxy flooring system which gives an extremely flat, high gloss finish with excellent wear properties.
- Good resistance to a wide variety of chemicals and petroleum products - refer to chemical resistance chart.
- Hard wearing, very good abrasion and scuff resistance. Suitable for commercial use.
- If required TERRATUFF SLE can be cleaned, polished and maintained using conventional vinyl floor maintenance procedures.
- Good flow properties to even out imperfections and product a finish free of trowel marks.
- Available in slip resistant finish if required.
- Solvent free, low odour, low hazard product.
- Ease of application enable large areas to be installed without joints quickly (control joints to be continued through the TERRATUFF SLE refer to Araldite K130 flexible epoxy jointing data).

**Volume Solids:**

100%

**Number of Coats:**

Two minimum (1 primer, 1 body coat)

**Working Time:**

50 minutes at 20°C

**Dry Time:**

Hard dry 24 hours

Very light foot traffic after 24 hours

**Full Cure:**

7 days at 20°C

**Minimum Application**

10°C

**Temperature:**

**Heat Resistance:**

60°C

**Colours:**

TERRATUFF SLE is available in 8 standard colours (refer to colour chart Terratuff HS).

Special colours are available. Minimum order quantities will apply.

**SUGGESTED AREAS OF  
USE:**

- Warehouse floors
- Light - medium use industrial floors
- Powder blending and packaging areas
- Pharmaceutical floors, warehouses
- Amenity floors
- Laboratories

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**TERRATUFF SLE** (cont'd)**NOT RECOMMENDED:**

- Areas where a high level of slip resistance is required (without slip resistant additive).
- Chemical environment extremes
- High physical abuse
- Application under 12°C
- Application under dew point

**SUBSTRATES:**

Suitable for use on stable cured, dry substrates such as concrete, steel etc. Other substrates may be suitable and advise should be obtained from Nuplex Building Products.

Concrete floors should be a minimum of 28 days old and suitably prepared by acid etching, captive shot blasting or other methods as appropriate.

Fill deep holes, defects etc using Lockfast K102 before priming.

**APPLICATION:****Primer**

Apply 1 coat minimum of Supascreed Primer by brush or roller. Very porous surfaces may require additional coats of Supascreed Primer.

**Body Coat**

TERRATUFF SLE may be applied with or without silica filler. Silica filler addition is recommended where builds in excess of 3mm are required.

**Application Method:**

Suitably gauged notched trowel or spreader followed by spiked roller to remove any entrained air.

**Mixing:**

Add complete contents of TERRATUFF SLE Hardener to a pail containing TERRATUFF SLE resin. Mix until homogeneous (i.e. uniform). If required transfer to 20 litre pail, add silica aggregate and continue mixing until evenly distributed throughout the mix.

Variable speed mechanical mixer such as electric drill with stirrer. Use slow speed to avoid aeration.

**\*\*\*Warning\*\*\***

Any unmixed material on mixing equipment, containers etc will cause soft spots in the floor if scraped out. It is recommended material be transferred to another mixing container and remixed prior to placement on the floor.

**TERRATUFF SLE** (cont'd)

<b>Mixing Ratios:</b> (by weight)	Up to 2mm:	Terratuff SLE Resin	6.0kgs
		Terratuff SLE Hardener	3.0kgs
	Over 2mm:	Terratuff SLE Resin	6.0kgs
		Terratuff SLE Hardener	3.0kgs
		Terratuff Fillers	10.0kgs (9.5Lt)

<b>Film Build &amp; Coverage Rates:</b>	<u>Trowel Size</u>	<u>Film Build</u>	<u>Coverage</u> (m <sup>2</sup> /unit)
	Unfilled:	1mm	9.0
	Unfilled: 8x5x8mm	2mm	4.5
	Filled:	3mm	3.1
	Filled:	4mm	2.3
	Filled: 15x15x15mm	6mm	1.6

**Clean Up:** Eposolve 70  
Terratuff Thinners

**PACKAGING.**

(Standard unit size)

<u>Resin</u>	Coloured viscous paste in 10 litre pail	6.0kg
<u>Hardener</u>	Clear, sl.yellow liquid in 4 litre pail	3.0kg
<u>Silica Filler</u>	Grey powder in multiwall paper bag	13.0kg

**SAFETY PRECAUTIONS:**

(During application)

Avoid skin contact.  
Provide adequate ventilation.  
Store away from children.  
Avoid breathing vapour or fumes.  
Wear safety equipment including clothing and breathing apparatus.  
Refer Material Safety Data sheets.

**TERRATUFF SLE** (cont'd)**CHEMICAL  
RESISTANCE:****NOTE:**

The table represents a guide only. Variables which may under extreme conditions, influence the chemical or corrosion resistance are:

1. Temperature of chemical concentration.
2. Intermittent or continuous contact.
3. Application in adverse conditions.
4. Risks of evaporation from spillage causing concentration to rise adversely.

Sodium Hypochlorite 3%	R
Sulphuric Acid 10%	R
Nitric Acid 30%	SA
Formic Acid 10%	SA
Acetic Acid 5%	SA
Lactic Acid 5%	SA
Petrol	R
1,1,1, Trichloroethylene	A
Aircraft Hydraulic Fluid	R
Orange Juice	R
Sugar Solution 20%	R
Lemon Juice	R
Hot Water 60°C	R

R	Resistant
SA	Slight attack
A	Attacked

Note:

Concentrated chemicals in short term exposure may cause localised staining.

**COLOUR OPTIONS:**

- a) TERRATUFF SLE resin can be produced in a range of colours. Refer BS5252F colour chart.
- b) Add non-slip finish using coloured Decorative Terrazite granules. Add these to the wet resin.
- c) Combination of (a) and (b) above.