

DATA SHEET

CONCRETE
Planks

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LIQUID PLASTIC SURFACE PROTECTION

Product Name

STANDARD SEALER (HMG) CLEAR & COLOURED

Intended Use	A hardwearing gloss finish for internal use on concrete floors where good chemical resistance, excellent abrasion resistance and ease of cleaning is of paramount importance. A professional product for Industrial and Commercial use.			
Product Description	Solvent based, moisture cured, crossed-linked polymer resin containing aromatic poly-isocyanates.			
Product Information	Product reference	101-5kg		
	Volume solids	51%		
	Typical thickness	60 microns WFT. gives 30 microns DFT approx.		
	Theoretical coverage	12 sq. metres per kg		
	Practical coverage	10 sq. metres per kg		
	Appearance/ Colours	Gloss Finish – Light Brown Translucent Clear, will darken and matt with exposure to UV light. Coloured activator can be added. 0.9kg Activator to 4.5kg Standard Sealer. Colours: Terracotta Red, Mid Grey, Jorvic Grey & Black		
Application Details	Mix ratio for colours	0.9kg Tin Coloured Activator to 4.5kg Tin Standard Sealer		
	Method of application	Brush or Medium Pile Roller Spray application is not recommended as an air feed mask must be used.		
	Thinners	Solvent Cleaner/Thinners (when applicable)		
	Cleaners	Solvent Cleaner/Thinners for cleaning equipment		
	Pot life	N/A		
	Drying times			
	Product Type	Touch Dry	Hard Dry	Overcoating Interval
				Min Max
	Standard	5 hours	24 hours	Touch Dry 24 hours
	Accelerated	2 hours	12 hours	Touch Dry 12 hours
Note:	Drying/curing times will be shortened by higher temperatures and lengthened by lower temperatures. Full chemical cure and hardness achieved within 7 days.			
Accelerator. (If required)	Add 125ml Accelerator to 4.5kg Standard Sealer.			
Storage & handling	Storage	Store in a safe place out of the reach of children.		
	VOC	0.45kgs/ltr		
	Pack Size	4.5 kg unit		
	Flash point	Between 22 to 32°C		
	Shelf life	6 months in unopened containers		

Special Properties

Excellent abrasion and impact resistance.
Excellent adhesion.
Resistant to acid and alkalis.
Good chemical resistance.
Impervious and easy to clean.
Mould and bacteria resistant.
No discernible lead content.
Class 1 Spread of Flame Rating

Temperature Tolerance

120°C Maximum

Adhesion

Tested to BS 3900

Flexibility Bend Test

Tested to BS 3900 E1

Impact Falling Weight

Tested to DEF 1053 & ASTM G14

Abrasion

Tested - Taber 1000 gm load CT10, 1000 rotation.

Surface preparation and application

Specification for Concrete Floors

Preparation.

New and uncoated floors can be prepared by Acid Etching, this will provide a 'key' remove laitance and compacted dust.

OR

Blast track or Grind to remove all previous coatings, laitance, dust and contamination, etc.

Application.

The surface must be prepared, clean and dry.

Primer 1st Coat Standard Sealer + 15% Solvent Cleaner/Thinners

2nd Coat Standard Sealer + Coloured Activator

3rd Coat Standard Sealer + Coloured Activator

Clear Finish - Do not add Coloured Activator 1 or 2 Coats are generally sufficient.

If previously coated and sound:

Thoroughly abrade the surface, rub with Solvent Cleaner and apply,

2 Coat Standard Sealer + Coloured Activator

Check compatibility & adhesion.

Safety Precautions

A copy of the appropriate Health and Safety Data Sheet must be consulted prior to using the product. These can be faxed if urgently required.

Minimum precautions:

1. Avoid skin and eye contact i.e. wear gloves, goggles, etc.
2. Ensure good ventilation, mechanical if necessary.
3. Store and use away from heat and flame.
4. Do not eat or smoke in the vicinity of work.
5. Wash hands before eating.
6. Refer to supply container for additional warning labels.
7. Air-fed respiratory equipment and gloves must be worn when spraying.
8. Remove food & other products before application.

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