

FLOOR COATINGS

Epilux Floor Screed

Scope

Solvent free epoxy floor screed, suitable for application at 3-5mm thickness, intended for covering surface imperfections and unevenness on concrete substrates. It provides a proper base for application of the self leveling top coat and gets sandwitched between the floor coating primer and self leveling finish to impart very high compressive strength and abrasion resistance.

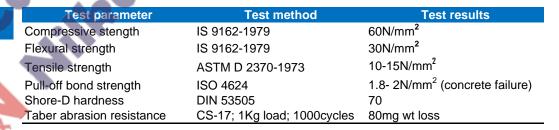
Uses

Screed application is normally recommended for areas where high load bearing movement is envisaged. Heavy mechanical load and high abrasion resistance requirements of concrete and masonry substrates are suggested with a built of 3-5mm screed, before going in for floor coatings finishes.

Product data

Туре	Three Pack		
Composition	Solvent less epoxy		
Application	Masonry trowel		
Recommended DFT	3 to 5mm thickness		
Volume Solid	100%		
Mixing Ratio	ing Ratio Base: Hardner: Aggregates = 2:1:20 (w/w/w)		
Pot Life	30 minutes @ 30°C		
Theoretical Spreading Rate	eoretical Spreading Rate 6.6Kg/ m ² [3mm], 9Kg/m ² [4mm]; 11Kg/m ² [5mm]		
Drying Time	Surface dry: 4-6 hrs [depends on thickness]; Hard dry: 24 hrs; Full cure: 7 days foot traffic after one day.		
Colour	Sandy-brown		
Thinner/Cleaner	Thinner 844 (for cleaning of tools; not for mixing with product)		
Finish	Sandy-matt		
Packing	23Kgs (combined pack)		
Storage Life	Upto nine months as long as the sealed containers are kept in a cool dry place (10 ^o to 35 ^o C) and in original unopened contaniers.		

Physical Test data





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Epilux Floor Screed

Substrate preparation

Concrete substrate must be fully cured, dry, sound and clean. It shall be free from other contaminants, such as curing compounds, sealers, oil, grease, dust, salts etc. The guideline standards for preparation of concrete is as per SSPC SP 13; Cleaning with required tools to free of contaminants, laitance, loosely adhering concrete, dust by mechanical, chemical and or thermal methods. Weak concrete must be removed. All voids, dents are to be repaired. All cracks, dents and voids depending on the size and depth should be filled with epoxy putty or epoxy mortar after priming. Cohesive strength/pull-off strength of concrete should not be less than 1.5N/mm2. Compressive strength should be to minimum 25N/mm2. Epilux Floor Screed is better applied over Epilux Floor Primer for enhanced adhesion. The finish, Epilux SL GFC is applied after overnight drying of Epilux Floor Screed.

Application guidelines

Ambient temperature should be between 15°-35°C. Relative humidity during application should not be more than 80%. Substrate moisture content should be lower than 5%. The base should be initially stirred to uniform consistancy using a slow speed stirrer. The two packs consisting of base and hardner should be mixed in the ratio of 2:1 (w/w), by adding the contents of hardner to the base with a slow speed drill fitted stirrer with a proper mixing paddle, then add the aggregates and continue to stir uniformly to get a homogenious mix. No thinning has to be done for application of floor screed. Application is suggested by steel trowel to spread the material uniformly to the desired thickness on the primed substrate. Compact the screed flooring with wooden float if required. It is suggested to work

Application of Epilux SL Glossy Floor Coating is done, after ensuring that all high spots,undulations, trowel marks are properly rubbed down and levelled by mechanical means and cleaned from dust and debris.

Precautions

All existing expansion joints, movement joints should be followed through the new floor surface. Joint sealant and geometry should be compatible with the applied floor type. Ensure substrate free of contaminants and solvents after surface preparation and over a primed and hard substrate. As a general precaution forced ventillation should be provided when applying coating in confined spaces. Inhalation of solvent vapours, or coating mist and contact with skin or eyes should be avoided. Safety precautions as with any epoxy compounds should be adhered. Refer MSDS and health and safety guidelines. Freshly applied floor screed should be free from water, dampness, condensation, and other contaminants settling down before dry and cure, till application of finish coat.

Painting Systems

ſ	Product	Coat	Thickness
	Epilux Floor Primer	one	40 microns
	Epilux Floor Screed	one	3mm to 5mm as per specification
	Epilux SL Glossy Floor Coating	one	0.5 mm to 5mm as per specification

DISCLAIMER

The information contained within this Data Sheet is based on information believed to be reliable at the time of its preparation. The Company will not be liable for loss or damage howsoever caused including liability for negligence, which may be suffered by the user of the data contained herein. It is the users' responsibility to conduct all necessary tests to confirm the suitability of any product or system for their intended use. No guarantee of results is implied since conditions of use are beyond our control.

in lanes of 2-3 feet for effective trowelling.

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