



Smart Epoxy Tile Primer (100% solid, solvent free)

SPETP-Primer

0.74KG (Part A) and 0.26 KG (Part B)



Description

Smart Epoxy Tile Finish is a two-pack system of epoxy primer barrier coating designed for use on ceramic tile & concrete floor surface which provide good adhesion to the substrate. It is suitable for use as tie coat between concrete substrate and colour flakes or to be use as tie coat between concrete substrate and solvent based topcoat such as Smart Epoxy BE4 or BE5 Finish.

Usage

Flooring / Wall

Composition

Pigment	:	Liquid / White
Binder	:	Epoxy resin.
Volume Solid	:	100%

Properties

Finishing	:	Gloss finish
Colour	:	-
Theoretical Coverage	:	Recommended No. Of Coats : 1

Recommended Film Thickness Per Coat : 50µm

Theoretical Coverage At Recommended Film Thickness :
6.25m²/L

Practical Coverage (20% Loss Factor) :
5.0 m² /litre (for dry film thickness of 50 microns)

Drying Time	:	Dry to touch: 2 hours Dry to overcoat: 2 hours Curing time: 6-7 days
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Pot Life	:	20 min after mixing
Mixing Ratio	:	Part A : 0.74kg + Part B : 0.26kg

Application Method

Brush	:	No thinning required.
Roller	:	No thinning required.
Conventional Air Spray	:	-
Airless Spray	:	-

Surface Preparation

Surfaces to be painted should be clean, dry and free from oil, grease and contaminants before painting. For previously painted surfaces, remove all unstable paint film, dust and foreign matter. Repair any surface defects, clean off and dry before using Smart Epoxy Tile Finish.

Recommended no. of coats: 1 coat

Recommended film thickness per coat: 50 microns for dry film; 165microns for wet film

Composition / Information on Ingredients

Component	% by wt
Resin	< 80%
Additive	< 0.1%
Diluent	< 13%

Hazard Identification

Hazard	Identification
H316	May cause mild skin irritating
H317	May cause allergic skin reaction.
H320	May cause eye irritating.

First Aid Measures

Eye Contact :

Check or and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelid open. Do not use an eye ointment. Seek for medical attention.

Skin Contact :

Frequent or prolonged contact may irritate and cause dermatitis. Skin contact may aggravate an existing dermatitis condition. Remove contaminated clothing – launder before reuse. Wash gently and thoroughly the contaminated skin with running water and non-abbrasive soap. Get medical attention if redness or irritation occurs.

Fire Fighting Measures

Fire Extinguishing Media :

Small fire : Use dry chemical. Foam or CO2.

Large fire : Use water spray. Fog or foam. Water or foam may cause frothing

Special Protective Actions For Fire Fighters:

Cool container in water spray in order to prevent pressure build-up, auto ignition or explosion. Avoid flushing spilled material into sewers, stream or other bodies of water. For small outdoor fires, portable fire extinguishers may be used, and self contained breathing apparatus (SCBA) may not be required. Respiratory and eye protection are required for fire fighting personnel.

Specific Hazards Arising From The Chemical :

Static discharge, material can accumulate static charges which can cause an incendiary electrical discharge. "Empty" containers retain product residue (liquid and/or vapour) and can be dangerous. DO NOT pressurize, cut. Weld braze, solder, drill grind, or expose such containers to heat, flame sparks, static electricity, or other sources of ignition ; they may explode and cause injury or death.

Accidental Release Measures

Personal precautions : Use appropriate safety equipment. For additional information, refer to Section 8, Personal Protection information.

Environmental precautions : Prevent the product from escape into soil, watercourses or drainage systems.

Methods for cleaning up : Eliminate source of ignition. Contain area and keep public away. Recover free liquid by pumping or scooping with shovel into separate container. Use sawdust, sand, earth or other absorbent to prevent material flow. Prevent liquid from entering sewers, watercourse or low areas. Dispose in accordance with local regulation.

Handling and storage

Keep container closed when not in use. Do not handle or store near open flame, heat, sparks, or strong oxidants. Adequate ventilation required. Avoid inhalation of vapours and contact with skin and eyes. Do not keep product for a long time (>2 years). Keep good house-keeping.

Exposure Controls / Personal Protection

RESPIRATORY PROTECTION : Use approved respiratory protection such as air supplied mask if used in enclosed spaces.
 VENTILATION : Sufficient ventilation should be provided during application.
 PROTECTIVE GLOVES : Chemically resistant gloves
 EYE PROTECTION : Chemical splash-proof goggles or face shield

Physical and Chemical Properties

APPEARANCE / COLOUR : Liquid / White
 PIGMENT : < 9%
 ODOUR : Mild
 SOLID % : 100.0%
 SPECIFIC GRAVITY @ 25oC : 1.19
 VISCOSITY (KU) : Not applicable
 MELTING POINT : Not applicable
 VAPOUR PRESSURE (@20 oC) : Not applicable
 VAPOUR DENSITY (101.3 kPa / AIR = 1) : Not applicable
 EVAPORATION RATE (n – BUTYL ETHER = 1) : Not applicable
 SOLUBILITY : Insoluble in water

Stability/reactivity

CONDITIONS TO AVOID : Heat, spark, open flame and static charge build-up
 INCOMPATIBILITY (Materials to avoid) : Strong oxidizing agents
 DECOMPOSITION PRODUCTS : Carbon monoxide and carbon dioxide

Toxicological Information

Acute toxicity : Not Classified
 Skin corrosion/ irritation : Dry skin
 Serious eye /damage irritation : Not Classified
 Respiratory sensitization : May lead to dermatitis
 Germ cell mutagenicity : Not classified
 Carcinogenicity : Not Classified
 Reproductive toxicity : No data available
 Specific target organ toxicity (single exposure) : No data available
 Specific target organ toxicity (repeated exposure) : Not classified
 Aspiration hazard : No data available
 Symptoms/injuries after inhalation : No data available
 Symptoms/injuries after skin contact : No data available
 Symptoms/injuries after eye contact : Not Classified
 Symptoms/injuries after eye ingestion : Not Classified
 Chronic symptoms : Not Classified

Ecological Information

No ecological studies have been carried out on this product.

Disposal Considerations

If possible recover the product, otherwise dispose by incinerate or land fill must be in compliance with all local laws and regulation.

Transport information

ROAD (ADR)	: Not Regulated
RAIL (RID)	: Not Regulated
AIR (ICAO/IATA)	: Not Regulated
SEA (IMO/IMDG)	: Not Regulated

Regulatory Information

Regulatory information in country or region with regards to this product should be observed.

Other Information

Our technical advice – whether verbal, in writing or by way of trials – is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control and, therefore, entirely your own responsibility. Should, in spite of this, liability be established for any damage, it will be limited to the value of the goods delivered by us and used by you. We will, of course provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.

Company Identification

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