



RSI
INDUSTRIAL
PAINTS Inc.

SOLVENT-FREE EPOXY GROUT REP-122

PRODUCT DESCRIPTION

REP-122 is a high performance three components, fine aggregate filled, Solvent-free Epoxy grout. It is high strength, non-shrinkable. This product providing strong adhesion, high chemical and impact resistance. It is recommended for surface repairs of fine cracks, gap filling and grouting wherever a thixotropic epoxy grout is required.

GENERAL PROPERTIES

Adhesion	Excellent to primed concrete surfaces.
Chemical Resistance	Excellent resistance to oils, most aqueous systems such as Fresh water, sea water, acids and alkalis.
Crack injection	Excellent penetration along cracks with variety size.

PHYSICAL PROPERTIES

Color	White/Brown
Volume solid	99±1%
Theoretical spreading rate	2 m ² /liter 500 Mic. Dft.
Specific gravity (com A+B)	2.5 ±0.1 kg/liter
Shelf life	12 months (25°C) from time of production. Depending on storage condition, mechanical stirring may be necessary before usage. Storage environment should be ventilated and away from sunlight and high temperature (above 30 ° C)

MIXING

Mixing ratio (by weight)	Component A: 2	Component B: 1	Component C: Up to 6
Pot life	45 min (25 °C)		

APPLICATION

Condition	The temperature of the substrate should be minimum 10°C and at least 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying. The moisture content in the concrete should not exceed 4 % (by weight). The coating should not be exposed to oil, chemicals or mechanical stress until fully cured. Recommended using the minimum of solvent on the trowel to aid workability. Where a very deep recess is to be filled, it may be necessary to build up in layers.
Application	Trowel Notched squeegee
Cleaning tool	RTH-104
Indicated film thickness, dry	500-1000 microns
Indicated film thickness, wet	500-1000 microns

CURING AND DRYING CONDITION

Condition	Drying and curing times are determined under controlled temperatures and relative humidity below 85 %, and at average of the DFT range for the product
Surface temperature	23 °C
Surface drying	1 hour
Deep drying	10 hours
Full curing	7 days
Recoat interval, min	18 hours
Recoat interval, max	2 days

APPLICATION CONDITION

Surface preparation

Concrete, mortar, stone should be thoroughly prepared by high pressure water jetting or mechanical means such as grinding. Cracks must be cleaned to remove dust with compressed air.

Successful application depends on very careful preparation. The surface to be treated must be structurally sound, free from standing water, oil, grease, surface contaminants. Dirt, dust and other foreign materials must be removed.

REMARKS

Preceding coat

Epoxy primer such as REP-101.

Subsequent coat

Epoxy intermediate coat or top coat.

Film thickness

May be specified in another film thickness than indicated depending on purpose and area of use. This will alter spreading rate and may influence drying time and recoating intervals. Normal range is 500-1000 microns.

SAFETY

This product is intended for use of professional applicators. Applicators and operators shall use appropriate protection equipment when using this product. Use it in well ventilated environment and prevent direct contact with skin. Spillage on the skin should immediately be removed with suitable cleaner. Eye should be well flushed with water and medical cleaner.

RSI Co.

Product data sheet REP-122

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