



RSI
INDUSTRIAL
PAINTS Inc.

EPOXY POLYAMIDE PRIMER REP-101

PRODUCT DESCRIPTION

REP-101 is a transparent two-pack epoxy sealer/primer exhibiting excellent penetration properties to ensure good adhesion between RSI products and most masonry surfaces.

Recommended use As a sealer/primer for subsequent RSI products or for use independently as a dust binder for concrete floors.

GENERAL PROPERTIES

Adhesion Excellent on correctly prepared concrete surfaces.

PHYSICAL PROPERTIES

Color Transparent
Finish Flat-Gloss
Volume Solid 30±3%
Theoretical spreading rate 6 m² /liter 50 mic. Dft.
Flash point 25 °C
Specific gravity 1±0.1 kg/liter
V.O.C. Max. 606 g/L
Shelf life 1 Years (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: 4 Component B: 1
Pot life 8 hours (23 °C)

APPLICATION

Conditions 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.

Method Airless sprays Brush (touch-up):
Recommended for stripe coating and small areas, care must be taken to achieve the specified dry film thickness. Roller: May be used. However when using roller application care must be taken to apply sufficient material in order to achieve the specified dry film thickness.

Thinner (max. vol.) RTH-104 (5%) RTH-104(5%) RTH-104(5%)
Pressure Nozzle 150 MPa
Nozzle tip 0.018"-0.023"
Spray angle 40-80°
Cleaning of tools RTH-104
Indicated film thickness, dry 40-60 microns
Indicated film thickness, wet 130-200 microns

DRYING AND CURING TIMES

Condition	Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with: * Good ventilation (Outdoor exposure or free circulation of air) * Typical film thickness * One coat on top of inert substrate
Surface temperature	20 °C
Touch Dry	2 h
Hard Dry	16 h
Full curing	7 d
Recoat interval, min	24 h
Recoat interval, max	5 days

Surface preparation

Concrete	All concrete damaged by exposure to chemicals, contaminated by any substance or unsound in any way, shall be removed to expose sound concrete. Concrete surface preparation by using dust free captive blasting units, grinding equipment, sand blasting or high pressure water jetting is critical to achieving the right surface profile prior to paint application. Contact your RSI office for more information. The coating may be used on other substrates. Surface preparation be done according to SSPC SP13/NACE NO 6 /ASTM D4258 -05 /ICRI TECHNICAL GUIDELINE 03741.
Coated surfaces	Clean, dry and undamaged compatible primer. Contact your local RSI office for more information.

REMARKS

Preceding	None
Subsequent coat	Epoxy Intermediate or top coat such as REP-209 .
Storage	The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.
Handling	Handle with care. Stir well before use.
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 DFT range is 40-60 microns.
Thinning	The type and amount of thinner depend on application conditions, application method, temperature, ventilation, and substrate. RTH-104 is recommended in general. (i) <i>A completely clean surface is mandatory to ensure intercoat adhesion, especially at long recoating intervals. Any dirt, oil, and grease have to be removed, e.g. with suitable detergent.</i> (ii) <i>Salts to be removed by fresh water hosing. To check an adequate quality of the surface cleaning a test patch is recommended before actual recoating.</i>

SAFETY

Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult RSI material safety data sheets and follow all local and national safety regulations. Harmful or fatal if swallowed; immediately seek medical assistance. Avoid inhalations of possible solvent vapors or paint mist, as well as paint contact with skin and eyes. Apply only on well-ventilated areas and ensure that adequate forced ventilation exists when applying paint in confined spaces or when the air is stagnant. Always take precautions against the risks of fire and explosions.

RSI Co.

Product data sheet REP-101
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