

TECHNICAL DATASHEET

EPOXY PRIMER WATERBORNE

PRODUCT DESCRIPTION

A premium quality two-component water-based epoxy concrete primer that provides the advantages of epoxy coatings: excellent adhesion, toughness, chemical resistance and durability with the convenience of a water-based low odor and V.O.C. free system. Ideal for areas where food contact is involved.

PRODUCT BENEFITS

- 1- Low odor and VOC free
- 2- Superb adhesion to concrete
- 3- Excellent coverage
- 4- Good early strength characteristics
- 5- Good chemical resistance
- 6- Abrasion Resistance

RECOMMENDED USES

For application in areas where solvent based paint systems are unsuitable and where high durability is required: Dairies and milking factories, food factories and breweries, hospitals and schools, abattoirs and fisheries, warehouses, factories, workshops etc.

SURFACE PREPARATION

Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and loose paint. Abrasive blasting is recommended where applicable. Dirt and dust are best removed with a stiff bristle brush and by compressed air. Grease and oil should be removed by cleaning with appropriate solvents such as mineral spirits.

To cure pores and holes use Epoxy Putty with its corresponding hardener.

CHEMICAL AND PHYSICAL PROPERTIES

Physical Properties

Technology	Epoxy
Physical State	Viscous Liquid
Appearance	Comp. A Viscous liquid Comp. B Liquid Two Components- requires mixing

Pot Life	4-6 hours
Color Range	Clear, White.

Temperature @ 25° C
Relative Humidity 60%

Component A

Specific Gravity, ISO 2811	1.26 g/cm ³ (white) 1.12 g/cm ³ (clear)
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Components (A+B)

Drying Time, ASTM D 5895	6-8 hours
Wet Film Thickness, ISO 2808	100 - 175µm
Dry Film Thickness, ISO 2808	50-80 µm
Recoat Time	12-24 Hours

Sag Resistance, ASTM D 3730	Excellent
Leveling, ASTM D 2801	Excellent

Scratching Resistance, ASTM D3002, D 3359 Excellent

Chemical Properties

Epoxy Primer White

Epoxy Primer Clear

Component A

% Solids by weight: 59 ±2%
% Solids by volume: 58 ±2%

Component A

% Solids by weight: 47 ±2%
% Solids by volume: 47 ±2%

Component B

% Solids by weight: 79 ±2%
% Solids by volume: 60 ±2%

Component B

% Solids by weight: 40 ±2%
% Solids by volume: 39 ±2%

MIXING/ THINNING/APPLYING

1- Mix the 2 components according to the following mixing ratio

- Epoxy Primer Clear 1 USG → 1Kg Hardener
 1 Pail → 5 Kg Hardener
- Epoxy Primer White 1 USG → 2Kg Hardener
 1 Pail → 10 Kg Hardener

Thin with water.

2- Apply one coat on the substrate.

Clean tools and equipment with water immediately after use.

PACKING

In cylindrical tin containers of the following capacities:

- 1 US gallon = 3.78 L.
- 1Pail (5 U.S.G.) = 20L

Each container is supplied with its appropriate pack of relative hardener.

STORAGE

Avoid frost & excessive heat.

The technical information contained in this Technical Data Sheet is to be understood as advice only and not binding in any respect.
All details about working with our products should be adapted to prevailing local conditions and materials used.