

EPOXY WATERBORNE

PRODUCT DESCRIPTION

Water-Based Epoxy is a two-component coating providing excellent durability, adhesion, and chemical resistance. Water-Based Epoxy exhibits superior hardness with virtually no odor. It is ideal for areas that require a durable, high performance and low odor finish.

PRODUCT BENEFITS

- 1- Superb adhesion
- 2- Good early strength characteristics
- 3- Long pot life
- 4- Good chemical resistance
- 5- Excellent Hardness
- 6- Low odor areas where solvent fumes are prohibited

RECOMMENDED USES

For interior use, 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

Surfaces should be clean and dry, free from oil, grease, salt, dust and other contaminants. All deteriorated previous coatings should be removed.

CHEMICAL & PHYSICAL PROPERTIES

Physical Properties

Technology	Epoxy
Physical State	Viscous Liquid
Appearance	Comp. A Liquid Comp. B White Liquid Two Components- requires mixing
Pot Life	4-6 hours
Color Range	Cf. catalogue

Component A

Specific Gravity, ISO 2811 $1.3 \pm 0.05 \text{ g/cm}^3$

Component A+B

Drying Time, ASTM D 5895 3-5 hours
Wet Film Thickness, ISO 2808 75- 150 μm
Dry Film Thickness, ISO 2808 60-120 μm
Recoat Time 12- 24 Hours
Opacity, ISO 6504-3 >90%
Spreading rate 50-60 s.q.m / 1 U.S G

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

Scratching Resistance, ASTM D3002, D 3359 Excellent

Chemical Properties

Component A

Solids by Weight $58 \pm 2\%$
Solids by Volume $59 \pm 2\%$

Component B

Solids by Weight $63 \pm 2\%$
Solids by Volume $47 \pm 2\%$

PRIMING

- 1- To cure pores and holes use Epoxy Putty with its corresponding hardener.
- 2- Prime surfaces with Epoxy Primer Waterborne.

THINNING/MIXING/APPLYING

- 1- Mix the 2 components according to the following ratio
1USG \rightarrow 2 Kg Hardener
1pail \rightarrow 10 Kg Hardener

Thin with water.

Apply one coat on the substrate. Recoat if necessary after 1- 2 hours.

Clean tools and equipment with water immediately after use.

PACKING

In cylindrical tin containers of the following capacities:

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

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

STORAGE

1 year under normal storage conditions from the issue date.

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.