

TECHOXY 3

WATER THINNABLE EPOXY COATING

DESCRIPTION

TECHOXY-3 is a two component epoxy resin based waterproofing compound. One part consists of epoxy resin and the other part of curing agent. After mixing both the parts, it can be thinned down with water. It possesses all the attributes of normal solvent based epoxy compositions such as excellent water and chemical resistance, adhesion, hardness, toughness and mechanical strength. One of the major advantages of Techoxy-3 over solvent based epoxy is that it can be applied on damp surface also. Being free from solvents, it does not pose any health hazard to the applicator. Techoxy-3 is completely, consistent & economical to apply.

FEATURES / ADVANTAGES

- Water dilutable
- Being water based, it penetrates in concrete/plaster surface and seals the porosity and network of fine cracks.
- Reduces water permeability
- After curing it forms hard, tough and strong film.
- Bonds strongly on cement concrete/mortar, plaster, asbestos sheet etc.
- Excellent resistance to water, salt water, dilute acids, alkalis, soap water, and other chemicals
- Excellent resistance to positive (hydrostatic) water pressure
- Eco friendly & non-toxic in nature

APPLICATION

- Cement-concrete water storage tanks
- Damp walls (interior / exterior)
- As a primer before painting (interior / exterior)
- As an undercoat before applying Techoat 61-P & Tar-o-Thane on roof terrace and internal walls.
- Toilet and kitchen walls.
- Coating on walls of breweries & food processing industries.
- As a primer before application of Techsterile-sterile coating in food & drug industries.
- As a putty with OPC-white cement to fill the fine cracks of external walls
- Hatcheries & aqua farms.

TECHNICAL INFORMATION

CHARACTERISTICS	VALUE
Nature	two components
Mixing Ratio	Part 1 : Part 2 : Water 1 : 1 : 1 parts by weight
Consistency after mixing	Free flowing smooth paste

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Application time (Pot life) at 30 ⁰ C	1 to 1 ½ hrs
Drying time at 30 ⁰ C	5 to 6 hrs
Surface dry	50 to 60 min
Hard dry	16 to 18 hrs
Inter-coat period at 30 ⁰ C	16 to 18 hrs
Curing time at 30 ⁰ C	24 hrs
Application time for Techoat (Polyurethane coating)	61-P not more than 24 hrs at 30 ⁰ C
Coverage	70-80 sq. ft./kg/coat

DIRECTION FOR USE

Surface preparation is the first and the most important step before the application to get the results and to avoid failure. The substrate must be cleaned and free of dirt, paint, oil, grease, sludge, blistered & loose plaster, fungus & moss etc. by thorough wire brushing followed by sanding with emery paper is recommended. Remove the dust by compressed air or paint brush or wiping with water soaked cloth.

PRECAUTIONS

All previous coating should be completely removed before the application of Techoxy-3. When used on an exterior surface, it must be over coated by weather durable coatings. Avoid application before 10⁰ C surface temperatures. At low temperature, drying and curing period will be prolonged. Before mixing both the parts mix them in individual containers.

PACKING

1 kg & 2 kg

STORAGE AND SHELF LIFE

18 months from date of mfg. when stored in a cool and dry place.