

PRODUCT DATA SHEET

BFT-3100E Epoxy-Water Based Primer

Two component, Room temperature curable, high hardness

PRODUCT DESCRIPTION

Epoxy-Water Based Primer BFT-3100E consist of Epoxy-Water emulsion A and Epoxy-Water curing agent B, the product is non-combustible, non-explosive, non-polluting, non-toxic to human body. It can be constructed in humid environment and interface. The two components are used in conjunction with each other, with suitable drying speed at room temperature, good mechanical properties, good resistance to scrubbing, chemicals, and salt spray, etc.

Uses

The product is widely used in waterborne epoxy floor coatings, water-based epoxy anti-corrosion coatings, grouting and repair materials, cement mortar, wood varnish, penetration primer, adhesive and so on.

CHARACTERISTICS/ AVANTAGES

- Room temperature curable, fast hardness growth, low VOC, high hardness, good abrasion resistance, excellent adhesion;
- The cured material has high hardness, good mechanical properties, and excellent resistance to water and chemicals;
- Can be mixed with liquid epoxy resin, epoxy resin emulsion to waterborne epoxy dispersion to formulate waterborne coatings or adhesives;
- water-based epoxy curing agent does not contain any organic solvents, construction tools can be washed by water;
- It does not break the emulsion when mixed with cement, has good adhesion and sealing on fresh concrete or wet masonry, etc. and has good adhesion to various substrates.

TECHNICAL INFORMATION & TESTING

Item	A	B
Appearance	White Liquid	Transparent Liquid
Non-volatile content (wt%)	50.0±1	20±2
PH	7 – 8	10-11
Shelf Life	6 months	6 months
Proportion (Quantity)	Resin A: Curing Agent B = 1: 2	

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions

Application Instructions

Ratio: 1:2:1=A: B: Water

Coverage: 0.08KG/SQM.

Construction method:

Rolling, scraping and spraying are all possible.

Construction step

Step 1: Epoxy-1KG Water emulsion A part + 2KG B part, stir them well

Step 2: Add 1kg of water and mix well to use.

The two components will be fully mixed according to the ratio, until it becomes white uniform colloid, refer to the requirements of the use of 10-30% of water and other materials can be used after mixing.

Water according to the ground to judge, the worse the ground strength, the more water added, up to 30% of the total amount of AB material.

Product Hazard Overview

- This product does not contain heavy metals,

triphenyl, dichloroethane and other ingredients that are seriously harmful to the human body. It contains amines, which are slightly irritating to the human body.

- Route of Involvement: Splash in eyes, inhalation, ingestion, skin contact, skin absorption.
- Health Hazards: Irritating to eyes, skin and respiratory tract upon direct contact.

Storage and transportation

Package: Part A:10kg

Part B: 20kg

plastic bucket

Storage: Airtight, dry & away from ignition sources;

Storage Temperature: 5°C-40°C;

Valid Storage Period: one year.

Transportation:

The product is not classified as dangerous goods and can be transported as general cargo. To prevent freezing, please store and transport in an area with frost protection.