

## PRODUCT DATA SHEET

# Polyurethane Coating -BFT-3400N

High performance polyurethane , For non-exposure use only

### PRODUCT DESCRIPTION

One-component polyurethane waterproof coating is a reactive wet-curing membrane polymer waterproof coating, it is isocyanate, polyether polyol as the main raw material, with a variety of additives after the addition of polymerization reaction made. When used coated in waterproof grassroots, after curing reaction to form a tough, soft and seamless rubber waterproof membrane. Has high strength, high elongation, high elasticity, high abrasion resistance, strong adhesion and good weather resistance.

### Uses

Designed for the following waterproofing applications:

- underground construction

### MIXING

Mixing is not required, however if the product is settled or separated on opening, stir it gently but thoroughly in order to achieve a uniform

colour. Stirring gently will minimise air entrainment.

### CLEANING OF EQUIPMENT

Clean all tools and application equipment with Thinner C or xylene immediately after use.

- Concealed or green roofs
- Basement, bathroom or kitchen waterproofing
- Tunnels

### CHARACTERISTICS / ADVANTAGES

- 1-Part ready to use
- No mixing, easy and ready to use
- Seamless membrane based upon moisture-cured chemistry
- Good mechanical properties
- Reinforced system-easy detailing
- Cost saving

### STANDARDS

GB/T 19250-2013

Polyurethane waterproofing coating, type S I N B.

### Limitation

- Do not apply it on substrates with rising moisture.
- Do not apply near to running air intakes of air conditioning units. Switch off units and seal intakes before applying.
- All areas requiring an anticorrosive protection system must be applied directly to a prepared bright metal finish
- Do not apply on substrates with rising moisture or are not stable.

## TECHNICAL INFORMATION & TESTING

### PRODUCT INFORMATION

Packaging	20KG
Shelf Life	6 months from date of production if stored properly.
Storage Conditions	Store in original, unopened and undamaged sealed packaging in dry conditions at temperature between 5 °C and 40 °C. Protect from frost. Exposure to higher temperatures will reduce shelf life.

PROPERTY	VALUE	TEST METHOD
Density	~1.4 kg/l (value at +25 °C)	ISO/R 2811-1
Colour	Black	
Solid content by weight	≥85%	
Tack Free Time	≤12h	GB 19250-2013
Drying Time	≤24h	

### CURED MECHANICAL PROPERTIES

Tensile Strength	2MPa	GB/T 528 / ISO 37
Elongation to Break	500%	
Tear strength	15N/mm	GB/T 529 / ISO 34
Adhesion in Peel	≥ 1.0 MPa	
Service Temperature	-35°C min. / +80°C max	GB/T 16777
Foldability at Low Temperature	- 35°C no crack	

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

### SURFACE PREPARATION:

Surfaces must be clean, dry and free from all traces of grease, oil and dust. As a rule, the substrates must be prepared in accordance with the instructions given in the current Primer Chart.

### SUITABLE SUBSTRATES:

Cementitious, concrete, bituminous felt and coatings, brick, stone, asbestos cement, metal, wood, unglazed ceramic tiles

Hardened material can only be removed mechanically or with a proprietary paint stripper