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## PRODUCT DATA SHEET

# BFT-37150P® One Component Polyurea Waterproof Coating

High tolerance to environment, weathering resistance, highly tough

### PRODUCT DESCRIPTION

BFT - 37150P One-component Polyurea Waterproof Coating is a high-performance elastomer composed of prepolymer, chain extender, color paste and additives. In addition to the high physical and mechanical properties of two-component products, one-component polyurea coatings have high adhesion to most substrates. Because the coating gels slowly, it can be applied by hand or mechanically sprayed over a large area, eventually it can solidify into a highly elastic, tough and abrasion-resistant coating.

### Uses

Widely used in waterproof engineering, chemical and pipeline anti-engineering, wear-resistant and protective lining, corrosion-resistant and non-slip flooring,

### Application Instructions

- Grass-roots treatment: The grass-roots level should be firm, level, and free of floating ash, rust and oil stains. Loose grass-roots level must be removed, surface holes and gaps should be chiseled into V-grooves and smoothed with polymer cement mortar. The gap around the pipe or pipe through the wall should be chiseled into an annular groove 20mm wide and 20mm deep, sealed tightly with embedding paste and then painted again with this material for reinforcement.
- Base layer treatment agent: Apply 1 to 2 coats of matching sealing primer on the dry base layer, and then carry out construction after the curing of the primer.

During construction, you must wear work clothes, goggles, gloves, gas masks and other

- labor protection products. Ensure good ventilation.
- Do not work if the temperature is lower than 0°C.
- The surface of the product may crust during the storage period, remove the crusted part during construction before use. Unused paint should be sealed and stored immediately to prevent scapping due to moisture absorption and curing.
- Pay attention to the protection of the waterproof layer during construction and after completion to prevent damage.
- Smoke and fire are strictly prohibited in the warehouse and construction site, and please wear labor protection equipment during construction.

### CHARACTERISTICS / ADVANTAGES

- High tolerance to environment, not easy to bulge under high humidity and high temperature;
- Excellent physical and chemical properties such as high strength and elongation;
- Excellent weathering resistance, suitable for exposed protection works;
- The coating is continuous, dense, no joints, full adhesion with the grass-roots level, good integrity;
- If you place it vertically, it won't not flow, the thickness within 1mm can meet the design requirements;
- Coating can be sprayed, brushed or rolled, if using a complete set of equipment spraying, construction efficiency is high.;

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## TECHNICAL INFORMATION & TESTING

### PRODUCT INFORMATION

Packing	20kg/bucket, metal bucket.
Shelf Life	6 months from production date.
Storage Conditions	The paint should be sealed and stored in a cool, dry room, and should be inverted and yarded to avoid direct sunlight and moisture.
Coverage	The amount of paint used is about 1.2-1.5 kg/m <sup>2</sup> per millimeter thick coating film.

PROPERTY	Index	Spec.Value
Appearance	—	Black/Grey/Red liquid (Color can be adjusted)
Relative Density (g/cm <sup>3</sup> )	—	1.0 ~ 1.3
Solid Content (%)	> 80	90
Surface Drying Time (h)	< 3h	2.5
Drying Time (h)	< 6h	5
Tensile Strength (MPa, 7d)	> 20.0	23
Elongation at break (% , 7d)	> 200	450
Tear Strength (N/mm, 7d)	> 60	70
Bonding strength to concrete (MPa, 7d)	> 2.5 or Damage to the Substrate	Damage to the Substrate
Water Absorption (%)	≤5	1
Impermeability	0.3MPa, 120min, Waterproof	0.3MPa, 120min, Waterproof
Low temperature bending properties	-45°C, No crack	-45°C, No crack
Abrasion resistance (750g,500r)	30mg	< 30mg

The above data is intended as a guide only, the actual drying time/overcoating interval depends on the film thickness, ventilation conditions, humidity, undercoat, advance loading and unloading requirements, mechanical strength, etc.

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