



## Nantong YuRu Engineering Material Co., Ltd.

### One component polyurethane waterproof material

#### 1. Product introduction

Water curing group divided into polyurethane waterproof coating is in the wet curing and latent curing group divided into polyurethane waterproof coating based on research into another type of single group divided into polyurethane waterproof coating is a new generation of environmentally friendly type waterproof coating.

#### 2. Advantages

◇One component packaging, open a barrel that is used to avoid the construction process of two or more components with improper measurement caused by the quality of the instability.

◇One component packaging direct water curing, non-toxic, pollution-free.

◇The waterproof coating film has the characteristics of high tensile strength, high elongation at break, good weather resistance and strong adaptability to deformation.

◇Good adhesion to various surfaces, Resistance to cracking.

◇ Waterproof, water resistance permanent contact, high temperature and uv resistance, low temperature resistance, good chemical resistance.

#### 3. Application Range

◇Roofing, underground waterproof engineering, indoor kitchen waterproof.

◇Parking, bridge, bridge deck waterproofing

◇Subway, tunnel and underground works

#### 4. Key points of construction

◇Basic requirements: basic level should be smooth, no sand, no debris, uneven and primary deformation joint cracks shall be use cement mortar screed, connect with the grassroots of pipe fittings and sanitation, and floor drain must firmly, seams to be tight, to receive the first slick, not allowed to have loose phenomenon

◇The film construction: General requirements three times coating scraping, the first time film cure for 12-24 hours after the second layer brushing, scraping and the direction perpendicular to the first film direction, the three times of coating for the rigid protective layer, waterproof layer and rigid protective layer between the cohesive force, in the film has not yet been fully cured, in the sparse surface of the sprinkle clean sand, sand until the sticky film curing, rigid protective layer construction.

◇Details: first the Yin and yang angle, pipe root brushing a layer of paint, Putie reinforcing layer (glass fiber cloth or non-woven fabrics, etc.), and the coating completely soaked reinforcing layer.

#### 5. Matters need attention

◇ After the opening of a run out, the use of time for half an hour. When the product storage period is longer, the paint surface may form a thin layer of plastic film,

when used to remove, does not affect the use effect.

◇Curing of coating construction of forbidden in the waterproof layer is walking, is strictly prohibited heavy and sharp objects damaged waterproof layer; construction site to keep the ventilation, construction personnel equipped with safety helmet, gloves, shoes and other protective supplies, to avoid skin and eye irritation, the construction site shall not contact ignition sources.

◇The restriction of the use of: snow, wind, cold weather

#### **6. Data Base Implemented standard: GB/T19250-2013**

Item	Project	Index
1	Solid content(%)	91
2	Surface drying time/h	8
3	Fully drying time/h	11
4	Tensile strength/MPa	2.5
5	Elongation at break/%	680
6	Low temperature flexibility	-35°C, No crack
7	Water impermeability	0.3MPa, 120min, Impervious
8	Bonding strength/MPa	1.5

#### **7. Storage and transportation**

◇Stored in a dry room, away from the fire source, heat source

◇During storage, it is advised to stand upside down.

◇The collision and during transport to prevent the sun and rain

#### **8. Reference Dosage**

For each millimeter thick film,coating dosage weight is about 1.6kg/m<sup>2</sup>-1.8kg/m<sup>2</sup>

#### **9. Packaging and shelf life**

25kg/barrel 12 months