PRODUCT DATA SHEET

**BFT-3200M®Exposed MS Waterproofing Coating**

|  |
| --- |
| One-component, no primer required, good weatherability |

**PRODUCT DESCRIPTION**

MS waterproof coating is a one-component moisture-curing polymer materials. Used in the building substrate surface, without primer, without heating, after curing to form a layer of high-strength, hydrophobic, weather-resistant, high and low temperature-resistant elastic waterproofing layer has no solvent, low volatility, low odor, and environmentally friendly features.

**Uses**

It is suitable for waterproofing and patching of water surface of buildings such as roofs, color steel tiles, external walls, etc

**CHARACTERISTICS / ADVANTAGES**

* **Solvent-free:**

no formaldehyde, toluene, isocyanate and other harmful substances;-

* **Easy operation:**

one-component coating, no need to mix, no need for primer, convenient construction.

* **Good low temperature resistance:**

after curing at -40℃, it still has good flexibility and does not crack;-

* **Strong adhesion:**

excellent adhesion to concrete, stone, metal, glass, ceramics, wood, etc.;

* **Good weather resistance:**

superior UV resistance, can be exposed to outdoor environment for a long time.

* **Surface modification:**

after curing, the surface can be painted, compatible with most industrial paints.

* **Water Resistant:**

no peeling off after long time soaking in water;  -Water Resistant: no peeling off after long time soaking in water

**Storage Conditions**

Store in a dry and ventilated place, do not place in damp, exposure, radiation, high temperature environment, avoid contact with children:-This product is a non-flammable and explosive material, can be transported according to the general chemicals, transportation should be prevented from water, exposure to sunlight, extrusion, collision, to keep the packaging intact;.

**TECHNICAL INFORMATION & TESTING**

|  |  |  |  |
| --- | --- | --- | --- |
| **PRODUCT INFORMATION** | | | |
| Packaging | 5 GAL | | |
| Shelf Life | 12 months from date of production if stored properly. | | |
| **PROPERTY** | | **VALUE** | **Standard** |
| Appearance | | Gray semi-fluid paste without particles | Semi-fluid paste without particles |
| Density (g/cm3) | | 1.4 | 1.1-1.5 |
| Viscosity (mpa·s) | | 44800 | 40000-50000 |
| Skin time(h) | | 1 | ≤4.0 |
| Curing rate (mm/24h) | | 3.8 | 3~4 |
| Shore a hardness | | 50 | 40~60 |
| Bonding strength (Mpa) | | 1.3 | ≥0.6 |
| Water absorption（%） | | 2.36 | ≤4.0 |
| Tensile strength (mpa) | | 1.76 | ≥1.0 |
| Elongation to Break (%) | | 156.05 | ≥100 |
| Low temperature bend ability | | -40, no cracks | -40, no cracks |
| Artificial climate aging [5040kj/m2·nm] | | No foaming, layering, sticking, blistering or crushing | No foaming, layering, sticking, blistering or crushing |
| **INSTRUCTIONS** | | | |
| Coverage | 2mm thickness, 2.8kg is needed to paint 1m2. | | |
| Ambient Air Temperature | 5℃-40℃ | | |

Results may vary depending on mixing method and equipment, temperature, application method, test method, actual field conditions and curing conditions

**Application Instructions**

* Clean the surface of the substrate, the surface of the substrate is solid and free of looseness, accumulation of water, floating dust, sand and dust, oil and other foreign matter, etc..
* Apply the paint evenly by rolling, brushing, scraping, etc., to ensure that the surface of the substrate is covered; -  The thickness of the paint should be about 2mm.
* The thickness of the paint should be about 2mm, the thicker the thickness, the longer the service life.
* Suggestion:Use mesh cloth to enhance the strength of the adhesive layer.
* Adjustment of viscosity:Use anhydrous (ethanol, ethyl acetate, thinner) to adjust.
* ·After opening the unused paint, immediately exhaust the gas in the bag as far as possible, sealed storage.
* This product may cause skin allergy if it comes into contact with the skin, it should be used with proper protective measures.
* In case of accidental contact with eyes, flush with water immediately, if there is any discomfort, please consult a doctor immediately.