

Flowlok UTM

Water Cured Polyurea Liquid Membrane

Description

Flowlok UTM is a liquid applied waterproofing system that cures to a monolithic elastomeric membrane as an underlayment for tile, interior wet room, mechanical / boiler rooms and more. It is fully adhered, can be reinforced and applied at any field thickness from 30 to 2500 mils or more, in one application while supplying simultaneous curing throughout the coating.

Flowlok UTM creates a continuous waterproof membrane barrier with outstanding adhesion, bonding directly to clean metal, drains, PVC, wood and stainless steel. The system is in accordance with IPC and the IAMPO UPC, suitable as a shower sub pan lining material.

Features

- VOC compliant
- Low Odor
- Fast and easy application
- Seamless waterproofing membrane
- Applied at any required thickness
- Quick dry formula
- Aggressive tack – bonds well to wood / concrete etc.
- Eliminates ponding
- Liquid, cold applied.
- Suitable for waterproofing pools, spas and water features

Typical Uses

- Terrazzo and Tile Floors
- Showers
- Laundry
- Kitchen Floors
- Mechanical rooms

Physical Properties – Horizontal Grade:

PERFORMANCE & PHYSICAL PROPERTIES	VALUE	TEST METHOD
Solids content by weight	95 + 2%	ASTM D-2369
Solids content by volume	94 + 2%	ASTM D-2697
Elongation	300 + 50%	ASTM D-412
Adhesion to concrete	17.5 Lbf/in	ASTM C-836
Shore A hardness	30 + 5	ASTM D-2240
Tear resistance, Die C	50 + 10 pli	ASTM D-624
Tensile strength	500 + 50 psi	ASTM D-412
Water absorption by wight	0.05%	ASTM D-471
Viscosity @ 80°F	4500 + 2000 cps	N/A
Permeability	0.05 Perms	ASTM E-96
VOC	60 GM/L	ASTM D-2369-81
Service temperature	-25°F to 200°F	N/A
Color	Black	N/A

Physical Properties – Vertical Grade:

PERFORMANCE & PHYSICAL PROPERTIES	VALUE	TEST METHOD
Solids content by weight	96 + 2%	ASTM D-2369
Solids content by volume	95 + 2%	ASTM D-2697
Elongation	300 + 50%	ASTM D-412
Adhesion to concrete	17.5 Lbf/in	ASTM C-836
Shore A hardness	25 + 5	ASTM D-2240
Tear resistance, Die C	50 + 10 pli	ASTM D-624
Tensile strength	650 + 100 psi	ASTM D-412
Water absorption by wight	0.05%	ASTM D-471
Viscosity @ 80°F	40,000 + 5000 cps	N/A
Permeability	0.05 Perms	ASTM E-96
VOC	60 GM/L	ASTM D-2369-81
Service temperature	-25°F to 200°F	N/A
Color	Black	N/A

Packaging	5 gallon pail 55 gallon drum, net fill 50 gallons
Mixing	One quart of water should be added to 5 gallons of Flowlok UTM and should be thoroughly mixed using a mechanical mixer at slow speed to ensure a homogeneous material. Take care not to allow entrapment of air into the material.
Curing	<p>For multiple coat applications, allow coating to cure for a minimum of 1 and a maximum of 48 hours (curing is a function of ambient temperature and humidity) before proceeding to subsequent coats. If more than 48 hours pass between coats the surface must be re-primed.</p> <p>Flowlok UTM is sensitive to heat and moisture. Higher r temperatures and/or high humidity will accelerate the cure time. Use caution in thickness of application.</p>
Joints, Cracks & Flashing	Apply Flowlok UTM over all joints and cracks. Bridge the joints and cracks with 3-inch (7.6 cm) Polyester Tape, pushing it into the sealant with a trowel. Over reinforcement tape apply a thin coat of Flowlok UTM and smooth onto adjacent surface.
Application	<p>Flowlok UTM may be applied directly with a brush, squeegee, trowel, or phenolic core roller. It can be applied at any thickness. Recoat time is 24 hours.</p> <p>The Flowlok UTM can also be easily broadcasted with granules for a wide range of colors and patterns. Flowlok UTM is also able to supply slope to drain and fill ponds on plywood, concrete, metal, urethane foam and other roofing systems.</p>
Equipment Clean Up	Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.
Storage	Flowlok UTM has a shelf life of six (6) months from date of manufacture in original, factory sealed containers when stored at 75°F.
Limitations	<p>The components of Flowlok UTM are not UV stable and not designed to withstand direct wear/abrasion.</p> <p>Surfaces to be coated with Flowlok UTM must be dry, clean and free of foreign matter. Any remaining material must be tightly sealed to protect it against curing in its container. Containers that have been opened must be used within 1 or 2 weeks, since Flowlok UTM is a moisture reactive material that begins to cure when exposed to air.</p> <p>BESSERTN does not recommend that Flowlok UTM be diluted with solvent.</p>
WARRANTY	Contact Flowlok for warranty period and information.