

Flowlok Detail Membrane

Water Cured Polyurea Detail Membrane

Description

Flowlok Detail membrane is a single component, high solids, water curable, liquid applied, and bitumen modified urethane polyurea waterproofing. It is highly versatile, designed for a wide range of detailed work including patching, repairs, flashing etc. The membrane 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.

Features

- Low VOC, Low Odor
- coal tar free
- High Tensile, tough and rubberlike
- Meets ASTM C-836 & E-96 Requirements
- Seamless liquid Waterproofing
- Fast Curing
- Applied at any thickness
- Cold applied.

Typical Uses

- Fillet, flashing & reinforcement material at inside corners
- Flashing material around drains, protrusions, curbs & parapets
- Sealing material at terminations
- Repair material for defects on concrete surfaces
- Interior and exterior application
- Patching
- Bridging over unlike substrates

Physical Properties – Horizontal Grade:

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

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 detail membrane 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	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. Flowlok Detail membrane is sensitive to heat and moisture. Higher r temperatures and/or high humidity will accelerate the cure time. Use caution in thickness of application.
Joints, Cracks & Flashing	Apply Detail membrane 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 Detail membrane and smooth onto adjacent surface.
Application	Flowlok Detail membrane 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. The Flowlok Detail membrane can also be easily broadcasted with roof granules for a wide range of colors and patterns. Flowlok Detail membrane is also able to supply slope to drain and fill ponds on plywood, concrete, metal, urethane foam and other roofing systems.
Equipment Clean Up	Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.
Storage	Flowlok Detail membrane has a shelf life of six (6) months from date of manufacture in original, factory sealed containers when stored at 75°F.
Limitations	The components of Flowlok Detail membrane are not UV stable and are not designed to withstand direct wear/abrasion. Surfaces to be coated with Flowlok Detail membrane 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 Detail membrane is a moisture reactive material that begins to cure when exposed to air. does not recommend that Flowlok Detail membrane be diluted with solvent.
WARRANTY	Contact Flowlok for warranty period and information.

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