

Product Information Sheet

ESI 7000 Waterproofing Membrane Basecoat

DESCRIPTION

ESI 7000 Waterproofing Membrane Basecoat is a flexible modified polymer membrane formulated with the most advanced chemistry available to provide a tough seamless waterproofing system with excellent crack bridging capabilities. It is used as a base coat and must be top coated depending on the system specified. ESI 7000 Waterproofing Membrane Basecoat does not require a primer as it adheres tenaciously to concrete.

USE

- Parking structures
- Mechanical equipment rooms
- Cold storage rooms
- Balconies
- Shower areas
- Kitchen
- Computer rooms
- Wet processing area
- Anti-Fracture membrane for tile floors
- For areas where solvent fumes are unacceptable

ADVANTAGES

- Excellent waterproofing
- Flexible over a wide range of temperatures
- Seamless to insure protection from moisture intrusion
- No VOCs
- No odor
- No primer required
- Formulated to accept Top Coat
- Canadian Food Inspection Agency approved

LIMITATIONS

- All substrate must be sound, clean, dry (ASTM D4263) and free from all contaminants.
- Substrate and air temperature must be between 50°F (10°C) and 90°F (32°C) during the entire installation cycle.
- Not recommended for external applications

APPLICATION

- Surface must be checked for soundness and any hollow areas must be removed. All depressions and spalled areas and cracks must be pre-filled with a product approved by Epoxy Solutions.
- Concrete substrate must have the laitance removed by a shot blast method or diamond grinding.

- Detailing work such as injection and treatment of control and expansion joints shall be according to specification recommendation
- Basecoat should be applied by squeegee to a thickness of 25 mils

THEORETICAL COVERAGE

- 25mils DFT, 65 sq ft / gallon
- 1 part resin: 1 part hardener

POT LIFE

- Basecoat 20 – 30 minutes

PHYSICAL PROPERTIES

| | |
|---|---------------------------|
| Percent Solids ASTM C-836 | 100 |
| Flammability | system self extinguishing |
| pH ASTM D-3716 | 10 |
| Viscosity ASTM D-2196@ 20°C | 1100 cps |
| Tensile Strength ASTM D-412 | 1500 psi |
| Tensile Elongation ASTM D-412 | 300% |
| Peel Adhesion ATM D-4541 | 15 Pli |
| Cure time | 6-8 hrs |
| Gel time | 33 minutes |
| Water Vapour Transmission ASTM D-1653 | 0.35 perms |

STORAGE

- Store in a dry area between 50° F (10°C) and 90°F (32°C).
- DO NOT FREEZE.

SAFETY PRECAUTIONS

Please refer to the Product Material Safety Data sheets (MSDS).