



TBS COMPONENT DATA SHEET

Technical Barrier System Inc.

TEL: 905.842.9488

FAX: 905.842.1582

TOLL FREE: 888.537.2888

EMAIL: INFO@TBSPRODUCTS.COM

WEB: WWW.TBSPRODUCTS.COM

EMBE® MERDEK BASECOAT

Flexible Modified Polymer, Membrane

Description

MERDEK BASECOAT (FMP) 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 with EMBE® Merdek Topcoat and / or Merdek UV, depending on the system specified. Merdek Basecoat does not require a primer as it adheres tenaciously to concrete.

Typical Uses

- 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

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.

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 TBS
- 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

Page 1 of 2

- 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)