



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 UV

Single Component Interior and Exterior Coating

Description

Merdek UV is a single component, pigmented, water based, acrylic latex emulsion that is designed for concrete and as a topcoat for Merdek® Systems exposed to the elements.

- Surface and air temperature must be between 50°F (10°C) and 90°F (32°C) during installation and initial cure
- When applied as a topcoat over the Merdekr® System, the surface shall have reached its initial cure and must be clean and free of all contaminants that could be detrimental to proper bonding.

Typical Uses

- Exterior Floor and Wall Coating
- Interior Floor and Wall Coating
- Balconies

Application

- Apply by brush, roller or airless spray equipment
- Recommended thickness, 2 to 4 mils DFT (1 - 2 coats)

Features

- Permits migration of moisture vapor from the substrate
- Excellent UV resistance
- Weather resistant, excellent color retention
- Re-coatable
- Solvent free
- Dries to a matte finish

Limitations

- Not to be used as a waterproofing membrane
- Do not use over surface contaminates such as curing compounds, grease, oil, or wet concrete

Physical Properties

Tensile Strength ASTM D-2370	1130 psi
Gardner Scrubability ASTM D-2486	No effect after 5000 cycles
Impact Resistance MIL 3134-F	No cracking on impact from 2lb steel ball dropped from 8 ft.
Taber Abrasion Resistance	Average loss after 5000 cycles using CS 10 wheels/500 gm loads. 0.1600 gm weight loss
U V Resistance ASTM G-26	No effect on color or film integrity after 120 hour exposure
Adhesion to C.A. Board Elcometer Method	Average 200 psi
Chemical Resistance ASTM D-1608	No effect
Moisture Vapor Transmission ASTM E-96 Procedure B	8 perms, indication breathing type coating

Theoretical Coverage

- 125 - 175 sq. ft. per gallon – roller applied
- 200 - 250 sq. ft. per gallon – spray applied

Colors Available

- Light grey
- Medium grey
- Clay
- Black

Safety

Please refer to Product MSDS Sheet.