



TBS COMPONENT DATA SHEET

Technical Barrier System Inc.

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EMBE® CRETE CV

DESCRIPTION

EMBE®CRETE CV is a heavy duty, urethane modified cementitious topping formulated for vertical applications. EMBE®CRETE CV has high impact resistance and excellent thermal shock and chemical resistance. In addition, as a “breathing” system, EMBE®CRETE CV is a solution for moisture vapor problems.

EMBE®CRETE CV may be used both indoors and outdoors, and in areas where freeze/thaw is a factor. Excellent for forming cove base, cants and trench linings. EMBE®CRETE CV is the key choice for wet areas, dairies, food processing areas, and industrial kitchens.

ADVANTAGES

- Formulated for vertical applications
- High impact, thermal shock and wear resistant
- Chemical resistant
- Almost completely odorless
- Will not support growth of fungus or bacteria
- Breathing system tolerant to excessive moisture vapor emission rate
- One-step application

LIMITATIONS

- Should be applied when temperature is between 40°F and 85°F
- Site must be free from condensation or water contamination during application and cure
- Substrate should be clean, dry concrete

TYPICAL USES

- Heavy manufacturing areas
- Food processing areas

APPLICATION: SURFACE PREPERATION

Surface preparation is the most critical portion to any successful resinous flooring system application. Work must be preformed by properly trained or experienced contractors or maintenance personnel.

MIXING

- Mechanical mixing is required. A 5 or 10 gallon KOL mixer with paddle is recommended.
- Add part A and part B in running mixer until they are uniform (about 30 seconds)

- Add aggregate slowly to mix and blend for 2 to 3 more minutes

INSTALLATION

EMBE@CRETE CV is installed using a cove base trowel or flat steel trowel depending on the application.

TECHNICAL DATA

Flexural Strength	2,000 psi
Tensile Strength	800 psi
Compressive Strength	7,500 psi
Modulus of elasticity	1.7x10 ⁵ psi
Vicant softening point	265-268°F
Coefficient of thermal Expansion	1.1x10 ⁻⁵ per °F
Thermal conductivity	8 Btu-in/ft ² h °F
Electrical resistance	3x10 ⁸ Ohms
Density	130 lbs/ft ³

CURING TIME

- Approximately 6 – 8 hours for light foot traffic at 75°F
- Next day full service

THEORETICAL COVERAGE

15 – 20 lineal feet of 4” base per kit

CLEAN-UP

- No thinners are required
- Clean equipment with soap and water

SAFETY PRECAUTIONS

Please refer to our MSDS sheets