



TBS SYSTEM DATA SHEET

TECHNICAL BARRIER SYSTEMS INC.



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PERMASHIELD T

DECORATIVE TROWELED MORTAR

Description

EMBE® PERMASHIELD T decorative troweled mortar is a monolithic high build epoxy system which can be sloped to drain and can incorporate integral coving. Using clear epoxy binder resins and topcoats blended with large and small ceramic-coated quartz granules, this attractive system is tough and resistant to a broad range of chemicals.

Typical Uses

- Industrial labs and clean rooms
- Restaurants and kitchens
- Water treatment facilities
- Office entries and corridors
- Sports arenas

Features

- 100% epoxy solids
- No VOC's
- Attractive light reflective finish
- Seamless
- Does not support the growth of bacteria
- Can be made slip resistant
- Canadian Food Inspection Agency approved

Limitations

- Only for indoor use
- Not for use on or below grade without an effective vapor barrier in place
- Minimum cure temperature 50°F (10°C)
- Shelf life one year

Application

- Substrate should be above 50°F (10°C)
- Substrate must be clean, free of dirt, waxes, grease oil and other foreign matter.
- Concrete floors must have latencies removed, preferably by shot blasting, or mechanical sanding.
- Freestanding water must be removed, and substrate must be completely dry prior to application.
- Must be installed by a TBS Approved Applicator

Physical Properties

Compressive Strength	6,000 psi 41.37 MPa
Abrasion Resistance	0.1 gm lost
Flexural Strength	10,000 psi 68.95 MPa
Impact Strength	10 ft/lbs
Flammability	self extinguishing

Components

- Primer and Matrix EMBE Trowel Grade clear – 2:1 mix ratio
- Grout and Topcoats EMBE Epoxy clear – 2 – 1 mix ratio
- Alternate Topcoat EMBE Clear AU Sealer 50

Safety Precautions

Please refer to product MSDS sheet.

