



# TBS SYSTEM DATA SHEET

## TECHNICAL BARRIER SYSTEMS INC.



TEL: 905.842.9488 FAX: 905.842.1582 TOLL FREE: 1.888.537.2888  
 EMAIL: MAIL@TBSPRODUCTS.COM WEB: WWW.TBSPRODUCTS.COM

## EMBE® PERMACOLOR

### DECORATIVE TROWELED FLOORING

#### Description

EMBE® PERMACOLOR is a two-component solvent free epoxy system which has excellent chemical resistance and durability yet retains its high gloss, decorative qualities by being less susceptible to scratches and wear.

Combines specialty blended aggregates with lightly pigmented epoxy, sealed with clear epoxy.

#### Typical Uses

- Research Labs
- Hospitals, pharmaceuticals, and clean rooms
- Medical Facilities
- Animal care and holding areas
- Commercial Kitchens

#### Features

- 100% solids epoxy - No VOC's
- High gloss light reflective finish
- Good resistance to many chemicals and alkalis
- Stain resistant
- Various degrees of slip resistance
- 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
- 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

<b>Compressive Strength</b>	8,300 psi 44.82 MPa
<b>Tensile Strength</b>	6,000 psi 41.37 MPa
<b>Impact Resistance</b>	10 ft/lbs
<b>Flammability</b>	self extinguishing
<b>Abrasion Resistance</b>	0.1 grams

#### Components

- EMBE Trowel Grade – 2:1 mix ratio
- EMBE Epoxy Top Coat – 2:1 mix ratio
- Aggregate

#### Packaging

Pigmented resin  
 Mix Ratio 2 resin: 1 hardener  
 15-gallon (56.78 litre) units

#### Safety Precautions

Please refer to product MSDS sheet.