



# TBS SYSTEM DATA SHEET

## TECHNICAL BARRIER SYSTEMS INC.



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## EMBE® PERMAFLOR R

### REINFORCED EPOXY FLOOR SYSTEM

#### Description

EMBE® PERMAFLOR R is a tough epoxy system designed for contaminated concrete or wood floors. It incorporates galvanized metal lathe, which is mechanically fastened to the substrate. The epoxy, depending on which type is selected, is trowelled into and over the metal lathe and lightly sanded to provide a seamless skid resistant floor. Depending on specific site conditions and requirements, various epoxy formulations are available such as Novolac for chemical resistance or Novolac "post cured" for high temperature conditions.

#### Typical Uses

- Industrial plants, areas subjected to thermal shock or high temperatures
- Harsh chemical environments
- Over contaminated concrete
- To encapsulate vinyl asbestos tile

#### Features

- Ideal for quick turnarounds. Fix it over the weekend.
- Limited surface preparation required
- No need to tear out poor concrete
- 100% Solid Epoxy – no VOC's
- Seamless
- High-quality chemical resistance
- Canadian Food Inspection Agency approved

#### Limitations

- See individual chemical resistant charts for each system
- Restricted to indoor use Minimum temperature for cure is 10°C, 50°F
- Limited shelf life

#### Application

- Galvanized metal lathe\* mechanically fastened to the substrate
- The metal lathe is then covered with high quality epoxy
- The degree of added sand varies to the surface to provide skid resistance

The system incorporates one of the following types of epoxies:

- Standard epoxy
- Novolac epoxy
- Novolac "post cured" epoxy -high temperature applications
- Must be installed by a TBS approved applicator

### Typical Physical Properties

For Epoxy and Novolac Epoxies when metal lathe is added to the system, these figures will increase.

<b>Compressive Strength</b>	12,000 psi 82.74 MPa
<b>Tensile Strength</b>	7,000 psi 48.26 MPa
<b>Flexural Strength</b>	12,225 psi 84.29 MPa
<b>Impact Strength</b>	10 ft/lbs
<b>Flammability</b>	Self-extinguishing

### Packaging

Resin and Hardener

Mix ratio 2 resin: 1 hardener

15-gallon (56.78 Litres) units.

### Safety Precautions

Please refer to MSDS sheet.