

# Durex® TBC

## Di-Vinyl-Ester Heavy-Duty Maintenance Coating

<b>Description</b>	Durex® TBC is a high-quality di-vinyl-ester-based, heavy-duty maintenance coating which provides excellent durability and safety protection to all types of surfaces in any type of environment, with particularly exceptional protection for steel and concrete surfaces.
<b>Uses</b>	Some of the areas where Durex® TBC can be used are parking garage floors, for protection against chloride penetration, industrial floors for a safe, non-slip finish and protection against acid, oil, gas, etc.; structural steel (bridges, storage tanks, etc.); all areas around dock yards.
<b>Features</b>	<p>Durex® TBC exhibits many exceptional characteristics. It eliminates the danger of working with toxic solvent-based coatings and poses no problems for disposal as it is water based. Durex® TBC affords:</p> <ul style="list-style-type: none"> <li>• Chloride penetration protection</li> <li>• Excellent corrosion protection</li> <li>• Exceptional abrasion resistance</li> <li>• Resistance to mild acids</li> <li>• Versatile application methods (spray, brush, roller, squeegee etc.)</li> <li>• Non-toxic, completely safe handling</li> <li>• Excellent adhesion</li> <li>• Unaffected by gas, oil, etc.</li> <li>• Breathable coating, allows trapped water vapour to evaporate</li> <li>• Can be cleaned with water</li> </ul>

### TECHNICAL DATA

PHYSICAL PROPERTIES	
<b>Product Type</b>	Di-vinyl ester base, inert hard fillers and "universal colourants"
<b>Appearance</b>	Dense paint-like consistency
<b>Viscosity</b>	10,000 to 15,000 cps
<b>ph Level</b>	9.0 to 9.5
<b>Toxicity</b>	Non-toxic
<b>Coverage</b>	Average coverage for three coats combined: 1.74 m <sup>2</sup> /L (71 ft <sup>2</sup> /gal) <b>Coverage will vary according to the porosity of the substrate.</b>

PERFORMANCE PROPERTIES	METHOD	RESULT
<b>Surface-burning Characteristics</b>	CAN4-S102	Flame Spread – 8 Fuel contributed <5 Smoke developed <5
<b>Dry Adhesion</b>	ASTM D4541	1.40 MPa (203 psi)
<b>Water Absorption</b>	ASTM D570	3.78% by weight
<b>Water Vapour Permeance</b>	ASTM E96	7.42 perms
<b>Accelerated Weathering</b>	ASTM G155	Pass 2000 hrs
<b>Freeze-Thaw Stability</b>	ASTM C67	Pass
<b>Alkali Resistance</b>	ASTM D1308	Pass - No change

**Packaging** Durex® TBC is readily available in 1 litre and 4 litre containers, 18.9 litre pails and 45 gallon (205 litres) drums. It is readily available in an assortment of standard colour schemes. Please refer to our Durex® Architectural Coatings Colour Selection Guide for more information. Custom colour matching is available upon request.

**Storage** Store Durex® TBC in a dry, vented waterproof location, stacked off the ground with ambient temperatures above 5°C (41°F). Keep materials dry, protected from rapid temperature changes, dampness and moisture and away from direct sunlight. **KEEP FROM FREEZING.**

**Application** Substrate must be dry, solid, clean, and free of weak and powdery surfaces, free from ice, snow, dew and frost, oil, grease-releasing agents and other deleterious materials detrimental to a positive bond. (Consult Durabond Products Limited for questionable surfaces). Clean substrate surfaces by sandblasting or high-pressure water blasting. Thoroughly stir Durex® TBC before each use. Discard all frozen materials, materials which have formed solid lumps at the bottom of the container and materials which do not appear to be of a homogeneous viscosity.

**Metal: Step 1** – Mix 3 parts of Durex® TBC and 1 part TBC thinner. Apply minimum 0.127 mm (5 mils) thick layer of coating and ensure that full coverage and contact has been made throughout the entire surface. Allow to dry to the touch. **Step 2** – Re-mix the Durex® TBC to a uniform consistency. Do not add more thinner. Apply a thicker second coat approximately 0.38 to 0.51 mm (15 to 20 mils). The second coat can be the final coat but for best protection a third coat is recommended. **Step 3** – Mix 3 parts Durex® TBC and 1 part TBC thinner. Apply an even coat to minimum thickness of 0.25 mm (10 mils). Allow to cure for a minimum of 24 hours before permitting light use over the applied coating and minimum 7 days prior to heavy traffic use.

**Concrete: Step 1** – Mix 1 part Durex® TBC and 1 part clean potable water to a uniform consistency. Apply minimum 0.25 mm (10 mils) thick layer of coating and ensure that full coverage and contact has been made throughout the entire surface. Allow to dry to touch. Follow steps 2 and 3 of the metal application.

**DO NOT SUBSTITUTE NOR COMPENSATE DUREX® TBC WITH WATER OR OTHER ADDITIVES.**

#### Limitations

Durex® TBC is not recommended for use:

- Over previously treated surfaces without proper preparation
- When ambient, surface and material temperatures are below 5°C (41°F) during application and curing period

#### Clean-up

Clean all tools promptly after each use with clean water. Do not allow coating to dry on tools. Durex® Cleaning Solution CS100 is available to aid cleaning of soiled areas where the Durex® TBC has dried.

#### Health and Safety

For information and advice on the safe handling, storage and disposal of chemical products, refer to the most recent SDS sheet containing physical, environmental, toxic and other safety/materials handling data. For industrial use only. Keep out of reach of children.

#### Warranty

Durabond warrants this product is free of manufacturing defects, and will replace at no charge, provided it has been applied within 12 months of purchase, it has been installed for uses suitable for this product and in accordance with the manufacturer's instructions.

#### Technical Services

Technical support is available upon request at [info@durabond.com](mailto:info@durabond.com). For the latest version of this data sheet, please visit our website at [www.durabond.com](http://www.durabond.com), call toll free at 1-877-DURABOND (387-2266) or speak with your Durabond Products Ltd. sales representative.

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