

PRODUCT DESCRIPTION:

DUREX TBC is a high quality di-vinyl ester based, heavy duty maintenance coating which provides excellent durability and safety protection to many types of surfaces in any type of environment, with particularly exceptional protection for steel and concrete surfaces.

USES:

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.

ADVANTAGES:

DUREX TBC exhibits many exceptional characteristics. Being water based it eliminates the danger of working with toxic solvent based coatings and poses no problems for disposal.

DUREX TBC affords:

- chloride penetration protection

- excellent corrosion protection
- exceptional abrasion resistance
- resistance to mild acids
- versatile application methods (spray, brush, roller, squeegee, etc.)
- non-toxic, completely safe handling
- excellent adhesion
- unaffected by gas, oil, etc.
- breathable coating, allows trapped water vapour to evaporate
- cleaned with water

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

APPLICATION:

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

TECHNICAL DATA

Physical Properties:

Product type:	di-vinyl ester base, inert hard fillers and "Universal Colourants" colouring agents
Appearance:	dense paint-like consistency
Viscosity:	10,000 to 15,000 cps
Ph level:	9.0 to 9.5
Toxicity:	non-toxic

Performance Properties:

TEST	STANDARD	RESULT
Surface burning:	CAN4-S102	flame spread - 8
Characteristics:		fuel contributed < 5, smoke developed < 5
Dry adhesion:	CAN/CGSB 1.162-M90	No bond failure with axial pull of 222 newtons
Water absorption:	CAN/CGSB 1.162-M90	3.78% by weight
Permeance:		7.42 perms
Accelerated weathering:	CAN/CGSB 1.162-M90	Excellent
Freeze-thaw stability:	CAN/CGSB 1.162-M90	No coagulation
Alkali resistance:	CAN/CGSB 1.162-M90	No change

Substrate must be dry, solid and sound, 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.

CHECK WITH **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 mm - 0.51 mm (15 mils - 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.

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.

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.

PACKAGING:

DUREX TBC is readily available in 1 litre and 4 litre containers, 18.9 litre pails and 45 gal. (205 litres) drums. It is available in 28 standard colours. Custom colour matching is available upon request at a slight additional charge.

COVERAGE:

Coverage will vary according to the porosity of the substrate.

Average coverage for three coats combined:

1.74 m²/L (71 ft²/ gal.)

WARRANTY:

Durabond Products Limited fully warrants their products when used and applied in strict accordance with the printed instructions on product mixing and product application. In any case **Durabond's** responsibility shall not exceed either the refund of the purchase price, or the replacement of the purchased product.

TECHNICAL SERVICES:

Technical assistance for unique applications and design is available upon request from **Durabond Products Limited**.

DURABOND

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