



DRI-GARD TZ 300

Tidal / splash zone epoxy coating

Two-part, solvent-free, high performance epoxy protective coating that protects concrete & metal against corrosion & abrasion in aggressive environments. It has superior penetrating properties, flexibility and adhesion strength on wet concrete and steel substrates, making it suitable to be used where concrete surfaces are damp and cannot be completely dried out, such as tidal zones and splash zones.

FEATURES/BENEFITS

- Excellent resistance against mild chemicals
- Deep penetration into concrete surface to prevent peeling
- Excellent adhesion to wet surface
- Cures underwater
- Cures at low temperatures
- Excellent dirt pick-up resistance
- Excellent flexibility
- High build – may be applied up to 250 microns in one coat

APPLICATION AREAS

- Concrete surfaces
- Metal surfaces
- Tidal zones
- Splash zones
- Offshore marine & petrochemical services
- Sheet piles
- Underground & submarine pipes
- Waste water tanks
- Jetty piles
- Underground tanks

PRODUCT DATA

Appearances / Colours	Grey
Packaging	5kg set
Storage	12 Months from date of production
Storage Condition	Dry conditions at temperatures between 5 – 30 °C. Keep away from direct sunlight.

TECHNICAL DATA

Origin	Epoxy
Solid Content	100%
Specific Gravity	1.60 ± 0.10

APPLICATION CONDITIONS

Theoretical Consumption	Approx. 3.0 m ² per kg at 200 microns DFT (Min. 2 coats)
Dry Film Thickness	Recommended thickness: <ul style="list-style-type: none"> • 200 microns (normal environments) • 500 microns (severe environments)
Pot Life *	20 – 45 minutes (varies with temperature)
Drying Time * (At 25 – 35 °C)	Touch Dry: 2 – 3 hours Recoating Time: 3 – 12 hours Full Cure: 7 days

* Note: Drying time varies with weather conditions. The higher the temperature, the faster the drying time.

Chemicals & Salt Resistance

When properly applied & fully cured, the coating is resistant to various chemicals & salt solutions, including:

Chemical / Salt Type	Concentration (%)	Resistance
Acetic Acid	10	L
Ammonia Solution	10	R
Brine	20	R
Chlorinated Water	Conc.	R
Distilled Water	-	R
Detergent (Dish Washing)	20	R
Gas Oil	-	R
Jet Fuel	100	R
Hydroxide	10	R
Kerosene	-	R
Marsh Water	-	R
Oleic Acid	100	R
Petrol	100	R
Sewage Water	-	R
Sea Water	-	R
Sodium	-	R
Urea	Sat.	R

Resistance:
R – Resistant
L – Limited Resistance

Note:
Discolouration may occur when exposed to certain chemicals. However, the hardness & performance of the coating will not be affected.

Please contact Dritech Chemicals Sdn. Bhd. for further information on other chemicals/salt solutions.

SUBSTRATE

Remove oil or grease from surface to be coated. Surfaces must be free from any loose and/or friable materials.

Steel: For maximum protection, sand blast to remove surface contaminants and create surface profile of about 50 – 75 microns.

Concrete: Wet blasting or high- pressure water jet blasting is recommended to remove surface contaminants before application of coatings.

MIXING & APPLICATION

Mix Part A thoroughly, then mix in Part B and stir until homogeneous. It is recommended to use an electric drill (~750rpm) fitted with a paint mixer or wing-type mixing paddle.

Do not break sets. Thinning is not recommended.

Apply by spray, brush or roller.

TOOLS

Clean all tools and application equipment with thinner immediately after use. Hardened and/or cured material can only be mechanically removed.

LIMITATIONS

- The coating may yellow/chalk under exposure to UV/sunlight. However, this does not affect the functional performance of the product.
- When applying on horizontal surfaces, avoid formation of puddles on the substrate surface during the application of DRI-GARD TZ 300.
- Always ensure adequate fresh air ventilation when using DRI-GARD TZ 300 in confined spaces.
- The incorrect assessment and treatment of cracks may lead to a reduced service life and potential cracks in the coating.
Please consult Dritech Chemicals Sdn. Bhd. for more information.
- Mix only full sets of DRI-GARD TZ 300. Part mixing by weight is not recommended.

HEALTH & SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTE

The information, and, in particular, the recommendations relating to the application and end-use of these products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance to the manufacturer recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. The manufacturer reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.