

# STEELCOAT™ TANK BASE PROTECTION

EFFECTIVE CORROSION MANAGEMENT  
FOR ABOVEGROUND STORAGE TANKS

TANK BASE PROTECTION FOR:  
Oil, Gas & Petrochemical storage tanks  
Effluent & Process tanks  
Fire fighting water storage tanks





## THE STEELCOAT™ TANK BASE PROTECTION SYSTEM

A SOLUTION TO THE UNSEEN AND HARD TO DETECT CORROSION PROBLEM ON ABOVEGROUND TANK BASES

### SYSTEM FEATURES:

- Encapsulates the circumference of the tank base with a tough, highly weather resistant seal
- Remains flexible with cyclic movement caused by emptying and filling the tank
- Easy to apply with no need for excavation, lifting, blast cleaning or other disruption
- Rapid installation, no delay for curing
- Long-lasting & cost effective
- Can be applied to new and existing tanks
- Subject to operating temperatures the system is suitable for use on all Aboveground Storage Tanks, including those with slab or ringwall foundations

The bases of Aboveground Storage Tanks (AST) present highly corrosive conditions.

ASTs can accumulate significant quantities of atmospherically deposited salt particles. Rainwater or moisture run-off from the walls will transport these deposits to the base of the AST, which can cause corrosion in the periphery of the tank base, the weld area, lower wall and underside of the tank base.

Any seals installed to the base at time of construction can degrade or become damaged by tank movement, making them redundant against corrosion.

### IF CORROSION IS LEFT UNTREATED IT CAN LEAD TO:

- Metal loss
- Perforation
- Spalling and degrading of concrete annulus
- Costly repairs
- Downtime
- Tank failure

### TYPICAL TANK BASE DAMAGE



### TYPICAL TANK BASE DAMAGE



# SYSTEM COMPONENTS

- Denso Hi-Tack Primer™ and Denso Primer D™
- Densyl™ Mastic for profiling and sealing voids
- Denso Hi-Tack Tape™ (single layer)
- Denso Ultraseal RT Tape™ (single layer)
- Denso Urethane™ or Acrylic Topcoat

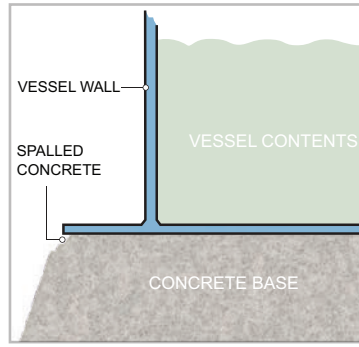


DIAGRAM SHOWING TYPICAL DAMAGE TO BASE.

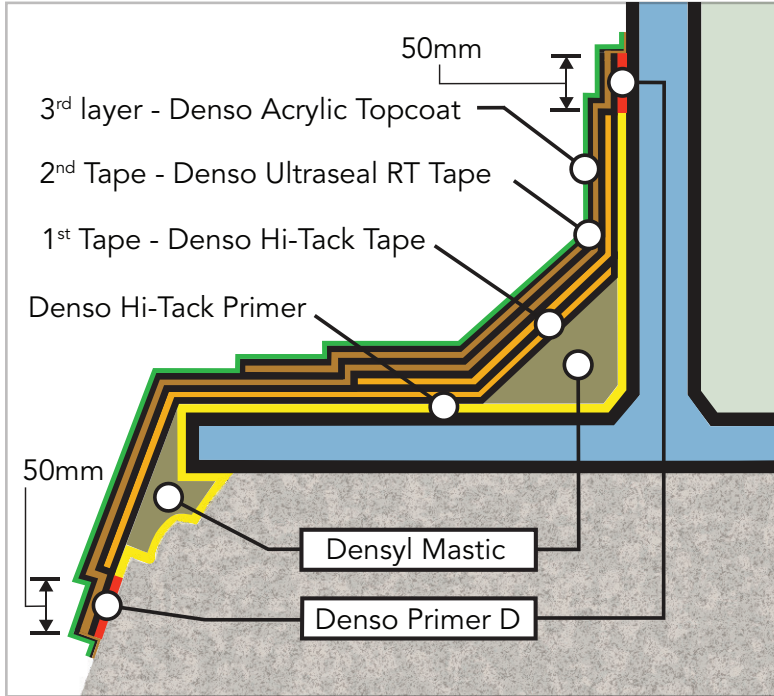


DIAGRAM OF A TYPICAL INSTALLATION.

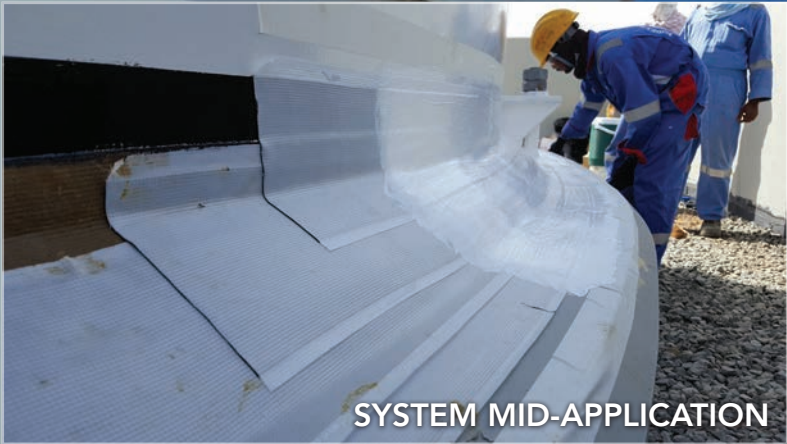
# APPLICATION PROCEDURE

1. Clean all loose material, dirt and debris from the application area.
2. Mask the priming area for the Denso Hi-Tack Tape. Apply the Denso Hi-Tack Primer and allow to dry.
3. Fill all small voids & cracks and profile the joint between the tank and the base with Densyl Mastic (see Fig. a).
4. Apply the layer of Denso Hi-Tack Tape (see Fig. b).
5. Mask the priming area for the Denso Ultraseal RT Tape. Apply the Denso Primer D and allow to dry (see Fig. c).
6. Apply the layer of Denso Ultraseal RT Tape (see Fig. d).
7. Brush apply two coats of Denso Urethane or Acrylic Topcoat to finish (see Fig.e).

More detailed application instructions are available in the 'Denso Steelcoat Tank Base Protection - Instructions for Use' (Publication Number 414.) Technical data sheets can also be provided on request for each of the above components.

Denso also offer a selection of products for the lining and coating of steel tanks. Enquire about our ARCHCO™ products today.





SYSTEM MID-APPLICATION

FINISHED APPLICATION

**STEELCOAT™**

PUB No. 420.05.2018



FM 01548 | EMS 583748

BS EN ISO 9001:2015 & ISO 14001:2015

**WINN & COALES (DENSO) LTD**

TEL: +44 (0) 208 670 7511  
FAX: +44 (0) 208 761 2456  
EMAIL: [mail@denso.net](mailto:mail@denso.net)  
WEB: [www.denso.net](http://www.denso.net)

Winn & Coales (Denso) Ltd  
33 - 35 Chapel Road  
London SE27 0TR  
UNITED KINGDOM



A MEMBER OF WINN & COALES INTERNATIONAL