

**Denso**<sup>®</sup>

**STEELCOAT™**

## **COLUMN BASE PROTECTION SYSTEM**

A HAND APPLIED SURFACE TOLERANT SYSTEM DESIGNED TO PROVIDE A LONG-TERM PROTECTIVE COATING FOR VULNERABLE COLUMN BASES IN CORROSIVE ENVIRONMENTS.

### **INSTRUCTIONS FOR USE**



#### **COMPONENTS**

DENSO™ HI-TACK PRIMER • DENSO™ PROFILING MASTIC • DENSO™ HI-TACK TAPE • DENSO™ D5 SCRIM  
DENSO™ BASECOAT KIT • DENSO™ ACRYLIC TOPCOAT

#### **APPLICATION PROCEDURE**

#### **SURFACE PREPARATION**

Surfaces must be clean and dry and free of oil, grease, dust, soil, salts and other contaminants. Remove all loose rust, scale and flaking coatings by scraping, wire brushing etc to a recommended standard of St2

## PRIMING: DENSO™ HI-TACK PRIMER

Prime the entire area to be protected (including nuts, bolts etc) with Denso™ Hi-Tack Primer using a brush or paint roller.

Extend the primed area at least 50mm onto the concrete support base.



## PROFILING: DENSO™ PROFILING MASTIC

The area that is to be protected with the system must have a smooth profile and this is achieved by using the mouldable Denso™ Profiling Mastic.

This allows the easy application of Denso Tapes and Scrim that will be required in later system stages.

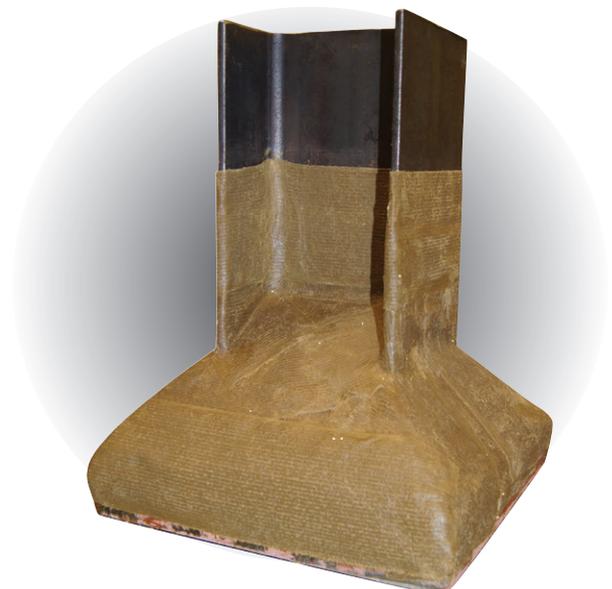
In addition to creating a smooth wrapping profile Denso Profiling Mastic is also used to fill any areas in the steelwork structure where water could collect and pool for long periods causing more damage. The aim is to eliminate any of these water traps and end up with a profile that allows water to run away freely



## APPLYING THE PETROLATUM TAPE LAYER: DENSO™ HI-TACK TAPE

A layer of Denso™ Hi-Tack Tape is applied over the entire primed area and overlapped at least 50mm onto the concrete base.

The tape is cut into strips and applied running vertically. Each strip should overlap the previous one and be smoothed down to ensure there is no air trapped underneath it.



## APPLYING THE SCRIM - DENSO™ BASECOAT KIT AND DENSO™ D5 SCRIM

Mix the Denso™ Basecoat Kit as instructed and remember to stir it every 10-15 minutes during the application process to ensure the components don't settle.

Cut the Denso™ D5 Scrim into manageable strips and saturate each side with the Denso Basecoat Kit.

Apply the scrim to the column base with the strips running vertically completely covering the Denso Hi-Tack Tape with one layer and making sure there is no air trapped underneath it.

Make sure each piece of Denso D5 Scrim overlaps onto its surrounding pieces.

**Picture top right:**

The Denso D5 Scrim is cut into strips and saturated with the Denso Basecoat Kit before applying it to the column base area.

Once the saturated Denso D5 Scrim is in place, apply a liberal coat of the Denso Basecoat Kit over the entire area using the brush to remove folds and creases in the scrim.

Allow the Denso Basecoat Kit to cure overnight for 12 hours.



## APPLYING THE TOPCOAT - DENSO™ ACRYLIC TOPCOAT

After 12 hours and ensuring that the Denso Basecoat Kit is fully dry, gently rub down and brush off any dust ready for the application of the Denso Acrylic Topcoat.

Brush apply the Denso Acrylic Topcoat over the entire area covered with Denso D5 Scrim.

Once the Denso Acrylic Topcoat is dry the Denso Steelcoat Column Base Protection System is now complete.



**Denso**<sup>®</sup>**STEELCOAT™****COLUMN BASE PROTECTION SYSTEM****STORAGE:**

- Store products the correct way up in their original packaging on suitable racking and out of direct sunlight in a dry, cool and well ventilated environment.
- Store away from heat and flames.

**SAFETY:**

DENSO HI-TACK PRIMER and the DENSO BASECOAT KIT are both hazardous - please refer to the relevant safety datasheets for further information.

**HANDLING:** Avoid contact of the compound with face, arms, etc.

Wash thoroughly after use and before work breaks to remove compound from the skin.

Careful attention should be given to personal hygiene.

Change and clean soiled clothing.

**ACTION IN CASE OF:**

**FIRE:** Extinguish with dry powder, carbon dioxide or chemical foam. Air breathing equipment may be necessary in large fires.

**SKIN CONTACT:** Wash with warm water and mild soap.

**WASTE DISPOSAL:**

Please minimise or avoid waste wherever possible. Please do not discard waste material, including packaging, in the surrounding environment. Follow all relevant legislation for disposal.

**IMPORTANT:**

Winn & Coales (Denso) Ltd pursue a policy to develop and continually improve all of our products and therefore information given in this data sheet is intended as a general guide and does not constitute a warranty, specification or risk assessment. These guidelines may not cover all circumstances; however, our sales personnel are committed to assisting the user in establishing the suitability of the product for its intended purpose and additional specific information, including Safety Data Sheets, is available on request. We recommend that installation is carried out with due regard to Health and Safety and in accordance with relevant local statutes and regulations. Any conflict between these guidelines and the specific project specifications must be resolved by the user before work commences. All rights reserved.

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