



www.thistlebond.info

Deck Caulking and Sealing Deck Joints:

The Following ThistleBond section is concerned with the sealing of deck joints and should be read in conjunction with the Technical Data sheets of the following ThistleBond Products: 60 Durometer Elastomer Fluid and 80 Durometer Elastomer Fluid.

COMMON DEFECTS

Penetration of decking joints by fluids causing corrosion in steel and rotting wooden planking. The degrading of silicone based caulking compounds

PREPARATION

All work should be carried out in strict accordance with the relevant ThistleBond Technical Data Sheet. Product selection and application should be based upon the joint configuration, the operating environment and the maximum anticipated joint movement.

SURFACE PREPARATION

a). Wooden Decking

Wooden decking should be laid in the conventional manner and sanded level. Each joint should then be cut using a milling machine to give a joint cross with a sectional profile width 3/8" and a depth of 3/16". In all cases, the width of the joint must be twice the depth. Remove all cutting debris and vacuum joint clean.

b). Metal Decking

Grit blast to give a surface finish of **Swedish Standard Sa 21/2 ensuring a minimum of 75 microns profile** using an angular abrasive.

Apply the ThistleBond Universal primer provided to the entire joint surface in a thin film using a stiff bristled brush. Allow the primer to fully cure (1 hour at 20C) before proceeding further.

APPLICATION TECHNIQUE

Once the primer is dry, adhesive polyethylene bond breaker tape should be placed in the bottom of the joint. Mix the selected ThistleBond Elastomer product and using a stiff bristled brush, apply a thin film onto the sides of the joint in order to ensure proper contact with the substrate. Pour or pipe in the remaining material in a thin film to fill the joint, leaving the surface slightly concave.

TECHNICAL SUMMARY

PRODUCT	TENSILE STRENGTH	HARDNESS	WORKING LIFE (20C)	FULL CURE (20C)
SEAL TECH CC	700 PSI (ASTM D 412)	45	40 MINTUES	72 HOURS
60 DUROMETER ELASTOMER FLUID	1000 PSI(ASTM D 412)	60	25 MINUTES	72 HOURS
80 DUROMETER ELASTOMER FLUID	1800PSI (ASTM D 412)	80	25 MINUTES	72 HOURS

Main System Selection

Horizontal Joints	60 or 80 Durometer Elastomer Fluid
High Movement	60 Durometer Elastomer Fluid
Chemical Spillage Areas	80 Durometer Elastomer Fluid
Rapid localised Areas	80 Durometer Elastomer Fluid