



# STEELCOAT™ PIPEBRIDGE PROTECTION

LONG-TERM COATING SOLUTIONS FOR THE EFFECTIVE PROTECTION OF EXPOSED STEEL PIPEBRIDGES

SUITABLE FOR:  
Exposed pipework  
Exposed steelwork





## THE STEELCOAT 100/400™ SYSTEM FOR PIPEBRIDGE PROTECTION

A COMPLETELY EFFECTIVE SOLUTION FOR  
EXPOSED STEEL PIPEWORK AND STRUCTURAL  
STEELWORK ON PIPEBRIDGES

- Cold applied
- Surface tolerant
- Highly conformable
- Ideal for badly pitted and rusted steelwork
- Ideal for damp or humid steelwork
- If applied in the recommended way it will have a 30-year expected service life.



EXAMPLE OF PIPEBRIDGE COATING BREAKDOWN  
REQUIRING MAINTENANCE

The Steelcoat 100/400™ System provides a cost effective, long-term, and easy-to-apply solution for corrosion prevention on pipebridges.

Pipebridges typically consist of steel pipes, with supporting structural steelwork, that span rivers or roads; they can therefore be difficult to maintain due to access problems and environmental issues. With this in mind, Winn & Coales (Denso) Ltd combined two of their individual corrosion prevention systems, designed to protect exposed steel, into one exemplary system.

The Steelcoat 100/400™ System is now widely specified due to the superior protection it provides by combining the strengths of the Steelcoat 100™ and Steelcoat 400™ system components. It can be applied to either pipework or structural steelwork on the pipebridge, with two variants of the system available for application to either dry or damp/sweating pipework.

In addition to the standard system components, a self-supporting, low-density petrolatum mastic is available for filling voids and contouring smooth profiles around awkward shapes. Denso Profiling Mastic™ can be used to make the wrapping of valves and fittings with corrosion prevention tapes easier.



DENSO PROFILING MASTIC™ APPLIED TO  
A FLANGE (INSET) BEFORE WRAPPING

(Technical data sheets for system components are available upon request.)

## COMPONENTS

### Denso Steelcoat 100/400(A) System:

Denso Hi-Tack™ Primer

Denso Hi-Tack™ Tape

Denso Ultraseal RT™ Tape

Denso Acrylic Topcoat™

### Denso Steelcoat 100/400(B) System:

Denso Paste S105™

Denso Hi-Tack™ Tape

Denso Ultraseal RT™ Tape

Denso Acrylic Topcoat™

## SURFACE PREPARATION

Minimal surface preparation required. Surfaces must be clean and dry. Remove all loose rust, scale and flaking coatings by hand wire brush.

## APPLICATION

### Denso Steelcoat 100/400(A) System:

For badly pitted and rusted pipework and structural steelwork.

For pipework, Steelcoat 100/400(A) System comprises Denso Hi-Tack™ Primer followed by a double wrap (55% overlap) of Denso Hi-Tack™ Tape [Fig. A]. The outer Denso Ultraseal RT™ Tape is applied [Fig. B] with a 25% overlap before painting [Fig. C].

For steelwork, the Steelcoat 100/400(A) System is applied as above but with a single layer only (25% overlap) followed by Denso Ultraseal RT Tape with a 25% overlap before painting.

Once applied the fabric backed Denso Ultraseal RT Tape is overpainted with two coats of Denso Acrylic Topcoat™ [Fig. D].

### Denso Steelcoat 100/400(B) System:

For damp/sweating pipework surfaces.

As above 'For pipework' with Denso Paste S105™ replacing the Denso Hi-Tack Primer.

## EXPECTED SERVICE LIFE

Once correctly applied, the Steelcoat 100/400 System can provide up to 30-years maintenance free service.



FIG. A



FIG. B



FIG. C



FIG. D

SYSTEM MID-APPLICATION



SYSTEM MID-APPLICATION



FINISHED APPLICATION



PUB No. 502.05.2020



FM 01548 | EMS 583748  
ISO 9001:2015 & ISO 14001:2015

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