



LEADERS IN CORROSION PREVENTION AND SEALING TECHNOLOGY

**Denso Products for
Civil Engineering
Specifications for the
Water Industry**

P1 and P2

CIVIL ENGINEERING SPECIFICATION FOR THE
WATER INDUSTRY
5th EDITION

5.14 Protection of Ferrous Pipes, Joints and Fittings

1. Ferrous pipes, joints and fittings shall be cleaned and all loose rust removed before protection is applied.
2. External protection for joints and fittings shall comprise:

P.1

The application of a thin continuous coating of petroleum paste over the whole area to be protected as a primer. Where bolt heads, nuts, flanges and other projections arise a profiling mastic shall be used to give a smooth external profile. The joint or fitting shall be wrapped with a protective tape. The minimum application shall be a spiral wrap using 55% overlap. The tape shall extend along 150mm of the barrel of the pipe on each side of the joint or fitting.

or

P.2

The application of a continuous coating of bitumen primer over the whole area to be protected. Where bolt heads, nuts, flanges and other projections arise a profiling mastic shall be used to give a smooth external profile. The joint or fitting shall be wrapped with a self adhesive, cold applied, rubber bitumen tape with a PVC backing. The minimum application shall be a spiral wrap using 55% overlap. The tape shall extend along 150mm of the barrel of the pipe on each side of the joint or fitting.

For both P1 and P2 Specifications:

General

Surface Preparation

of Pipe Joints

**Important: Before products can
be applied, the joint area
must be cleaned...**

Clean the joint and adjacent pipe thoroughly so that they are free from loose scale, rust, dirt etc.

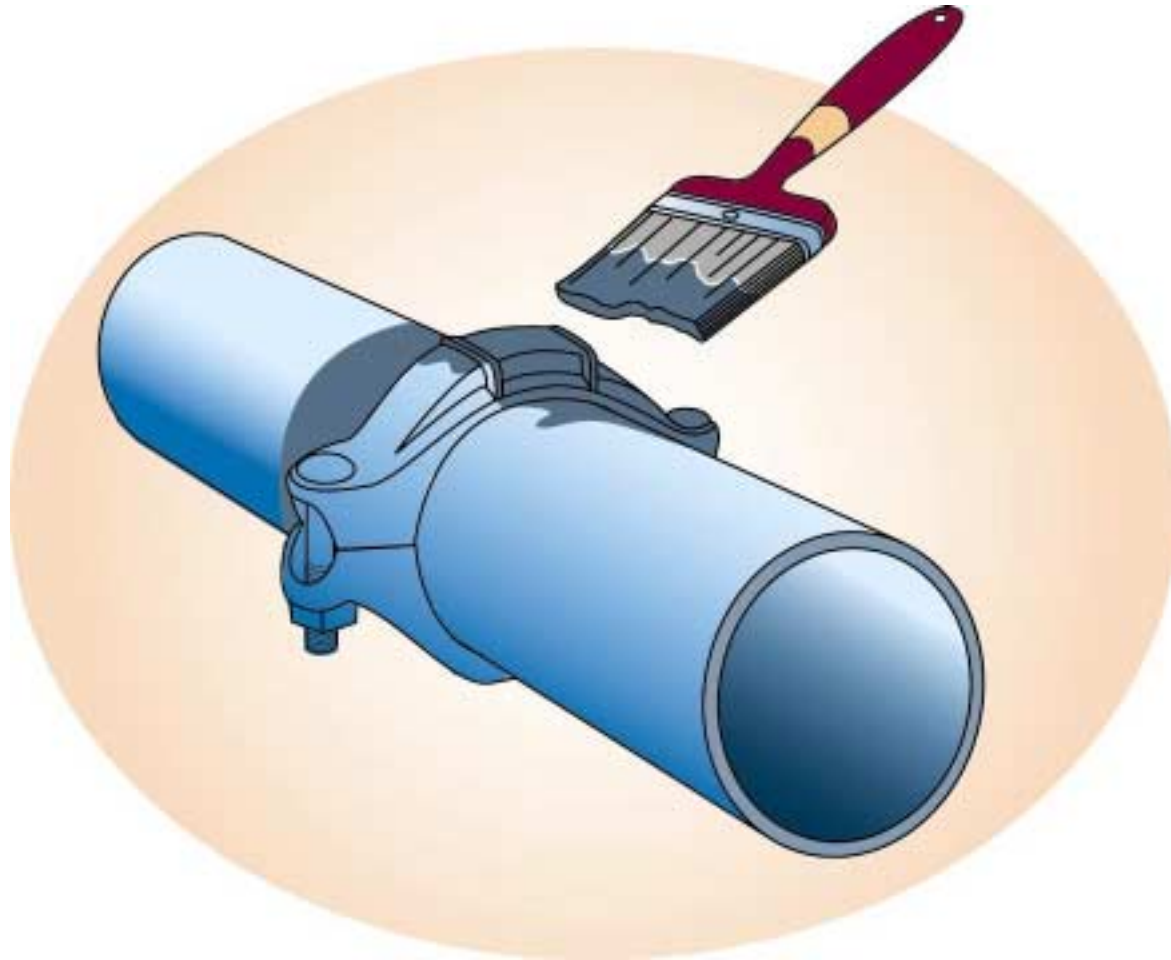


P1

Civil Engineering Specification for the Water Industry

Application Method....

Step 1: Apply a coat of Denso Paste to the joint and surrounding pipe



Step 2: Apply Denso Profiling Mastic, working into all hollows and voids, to create a smooth contour for tape wrapping



Step 3: Spirally apply Denso Tape using a 55% overlap to create a double wrap. Smooth out all air pockets and wrinkles.



Step 4: The finished P1 Pipe Joint Protection



P2

**Civil Engineering Specification
for the Water Industry**

Application Method....

Step 1: Apply a coat of Denso Primer D to the joint and surrounding pipe



Step 2: Apply Denso Profiling Mastic, working into all voids and gaps, to create a smooth contour for tape wrapping



Step 3: Spirally apply Densoclad Tape using a 55% overlap to give a double layer. Smooth down tape making sure there are no air pockets or wrinkles.



Step 4: The finished P2 Pipe Joint Protection.

