



## Corrosion Prevention of Irregularly Shaped Metal Objects

The best way to protect irregularly shaped metal objects in pipeline construction is by applying a highly conformable

petrolatum tape. Adding a rockshield to the petrolatum tape will give an excellent mechanical protection. This

system is in accordance with DVGW worksheets G 462 and G 463.

## Valves



Valves, valve groups and cocks require highly conformable corrosion prevention tapes. The combination of petrolatum-based DENSOPLAST products and butyl rubber/polyethylene-based DENSOLEN products, together with DENSOLEN Rockshield, results in an easily applied and excellent corrosion prevention system with a very high mechanical resistance.

Straight pipework, e.g. lubricating or vent pipes, can be wrapped with DENSOLEN Tape AS40. In combination with DENSOLEN Primer on a cleaned surface, three tape layers will comply with DIN 30672, stress class B-50 and 4 layers will comply with stress class C-50. Irregularly shaped objects are best protected by petrolatum based compounds and tapes. Where a combined DENSOPLAST / DENSOLEN application is required, the DENSOLEN primer and tape must be applied first since the petrolatum would otherwise prevent adhesion of the DENSOLEN tapes to the metal. Cavities and gaps must be completely filled with DENSOPLAST Compound. Afterwards, DENSOPLAST Tape is applied. A DENSOPLAST Tape can be applied by wrapping, but application in the form of strips is also possible. The strips are placed on the valve or object from bottom to top, overlapping each other. Repeated three times, the

required number of tape layers is thus achieved. To increase the mechanical resistance of the DENSOPLAST Tape the use of DENSOLEN Rockshield is recommended. The rockshield is applied in sections. Use a soft propane flame to briefly heat the overlapping area and then firmly press the two layers together.



## Flanges



A flanged connection with its flange gap and bolts requires particular attention concerning corrosion prevention. A very efficient method is to use DENSOPLAST Compound for filling gaps and voids and for achieving a smooth surface of the bolts and nuts. An additional overwrapping with DENSOPLAST Tape will ensure a void-free protection. High

mechanical stress resistance is given by applying DENSOLEN Rockshield which quite often obviates sandbedding.

## House Entry Connections

DENSOPLAST Tape and DENSOLEN Rockshields are safer, easier and quicker to apply to house entry connections than hot-applied systems where the use of a flame may cause problems with

e. g. electricity or telephone cables. Wrapping of DENSOPLAST Tape can be done even under very cramped conditions with excellent results. An additional DENSOLEN

Rockshield is a good protection against damages should the house entry connections be dug up at a later time

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