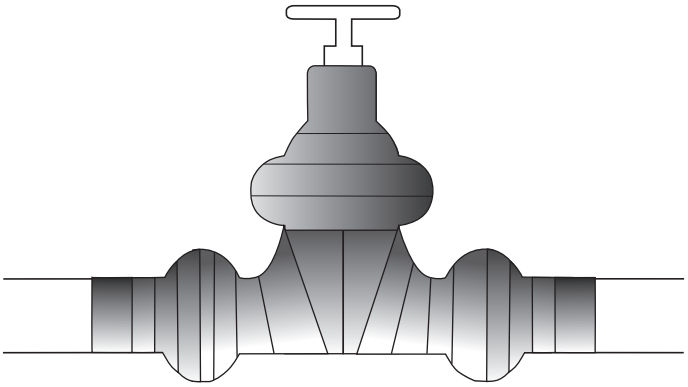
VALVE WRAPPING GUIDE

USING COMPONENTS OF THE DENSOCLAD™/DENSOPOL™ BITUMEN TAPE & MASTIC SYSTEM

USE:

This guide is intended to demonstrate the best way to wrap a steel or cast iron valve using The Densoclad™ or Densopol™ Bitumen Tape & Mastic System. This system comprises a surface primer Denso Primer D™, followed by Densyl™ Mastic or Denso™ Profiling Mastic, which is used to fill the voids and smooth the contours prior to overwrapping with Densoclad ™ or Densopol™ Bitumen Tape.



Because the shapes and sizes of valves vary, the illustrations are not drawn to scale and are intended to be used for reference only.

METHOD

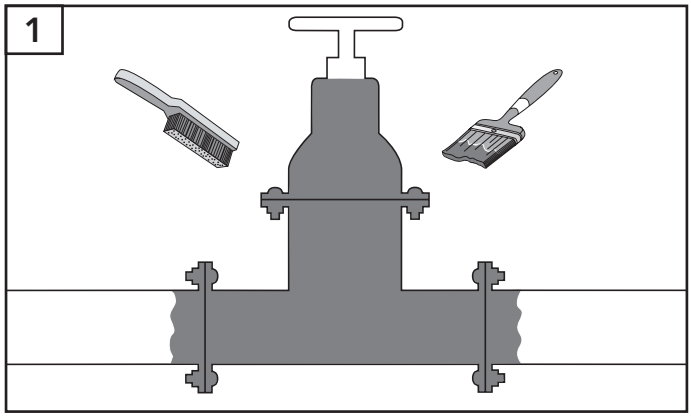


Fig. 1. The valve shall be cleaned so that it is free of loose dirt and grease. Heavy corrosion may be removed by power tool method. Denso Primer D™ shall be applied to the entire surface to be protected.

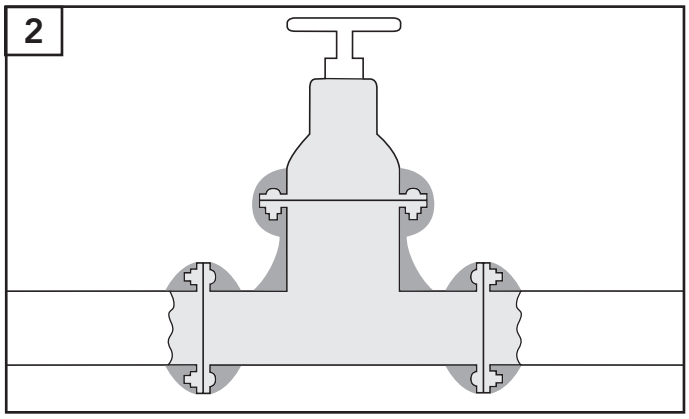
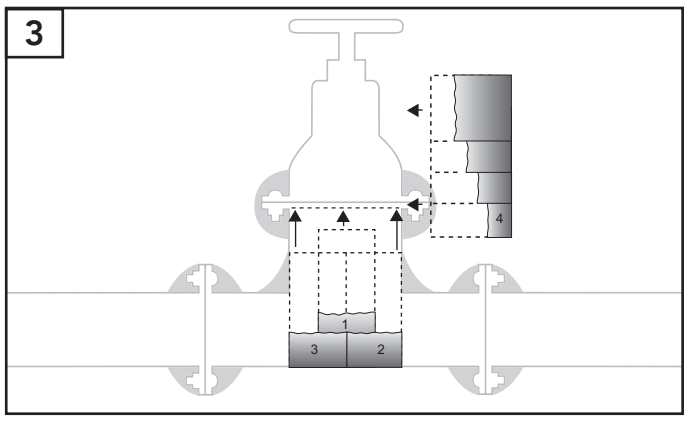


Fig. 2. All flanges, faces and fittings on the valve shall be profiled with Densyl Mastic or Denso Profiling Mastic to facilitate easy wrapping of subsequent tape layers. The profiling shall be built up in layers to prevent the creation of voids and ensure there are no acute angles.

Fig. 3. The first wrap. The chosen Denso™ tape shall be measured, cut and applied to the valve according to Fig 3. The numerical sequence shown in Fig 3 shall be followed. These tape pieces are positioned around the bottom of the valve to form a 'U' shape. The tape shall be applied to form a double layer over the centre of the valve body.

The number of tape pieces used in this stage shall be adjusted in accordance with the width of the tape used and the size of the valve.

Additional tape pieces shall be spirally wrapped around the valve top. The wrapping shall start below the valve shoulder and shall cover the ends of the vertical tape pieces to secure them in place. The wrapping shall continue in a weatherboard fashion, upwards towards the top of the valve.



Ensure the tape does not interfere with the movement of the valve wheel or mechanism. Smooth down the tape and its edges to remove air and form a seal.

METHOD - Continued overleaf...

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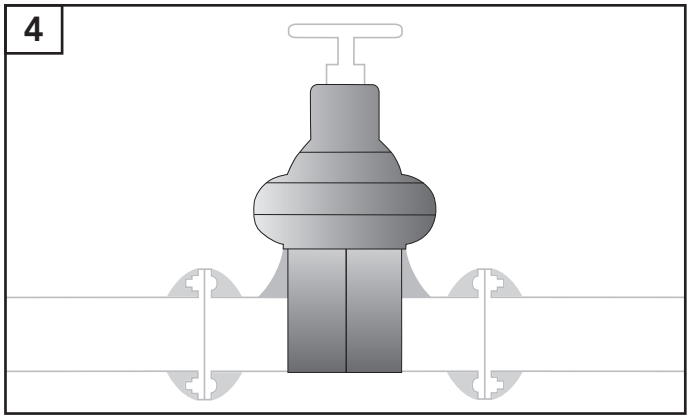


Fig. 4. The completed first /

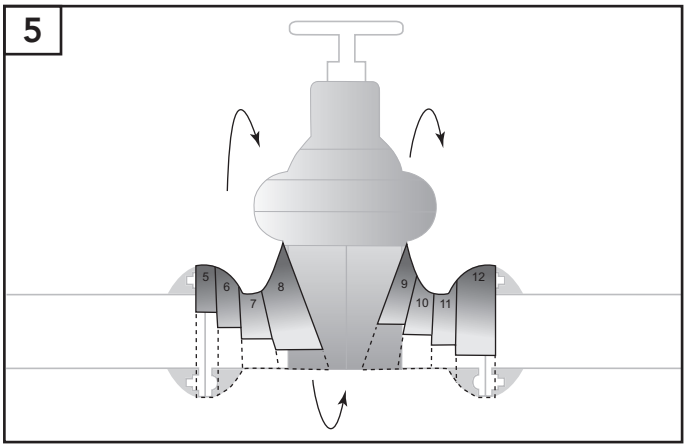


Fig. 5. The second wrap. The wrapping shall start at one of the valve flanges and shall progress towards the valve body, starting with a double circumferential wrap before progressing at a 55% overlap to give a double layer. When the tape applied in the First Wrap is reached the tape being applied shall be taken across the centre of the valve and the spiral wrapping shall continue on the other side of the valve working towards the opposite flange. The numbers in Fig 5 refer to the approximate number of spiral wraps. The tape shall be smoothed down and to remove air and form a seal. The number of circumferential wraps used in this stage shall be adjusted in accordance with the width of the tape and the size of the valve.

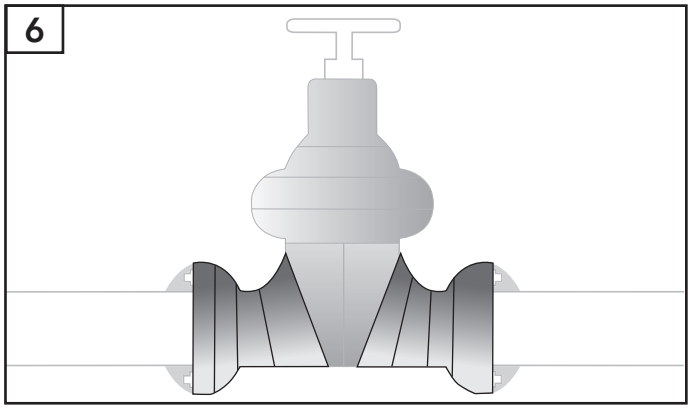


Fig. 6. / second /

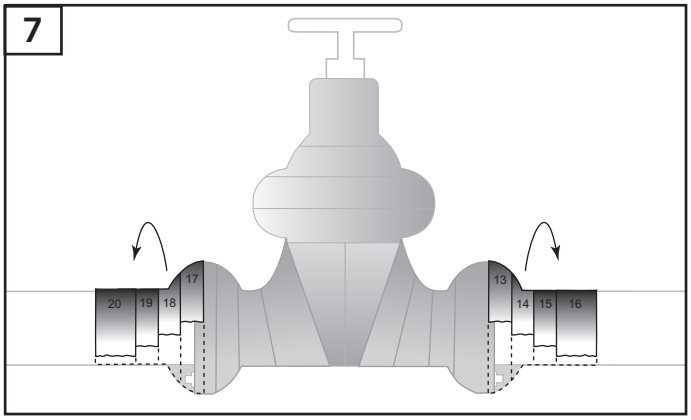
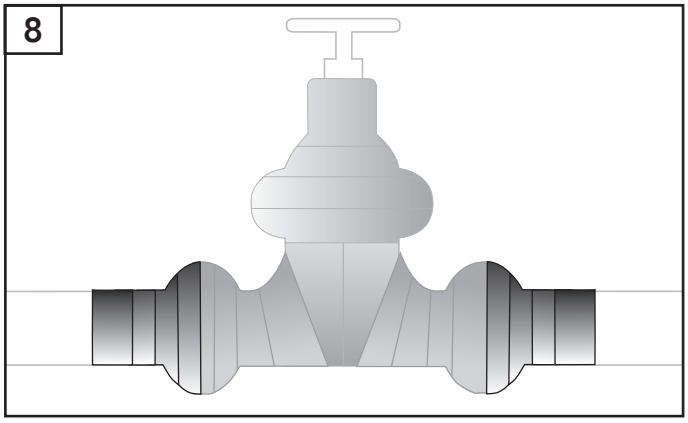


Fig. 7. The third wrap. The wrapping shall start at one of the valve flanges and shall progress away from the valve body, starting with a double circumferential wrap before progressing at a 55% overlap to give a double layer. The wrapping shall overlap onto the tape from the Second Wrap. This application shall be repeated on the other valve flange to complete the wrapping, starting with a double circumferential wrap before progressing at a 55% overlap to give a double layer.

Fig. 8. / third wrap.



Tape Outerwraps: If an extra Denso outerwrap is specified for mechanical protection purposes, it shall be applied in an identical manner as shown for the Densopol or Densoclad Tape. Take particular care to apply adequate tension whilst wrapping to remove air and seal all of the tape edges.

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 these instructions for use is intended as a general guide and does not constitute a warranty, specification or risk assessment. Instructions for use are intended to provide sufficiently detailed information to achieve successful installation in normal circumstances. 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, advice and training (including Safety Data Sheets) is available. It is strongly recommended that installation is conducted with due regard to Health and Safety using a safe system of work, including risk assessments and method statements, in accordance with relevant local statutes and regulations. Equipment used for installation must be suitable for the intended use, maintained in a safe condition, inspected for signs of deterioration, and used by competent personnel. Any conflict between these guidelines and the specific project specifications must be resolved by the user before work commences.

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