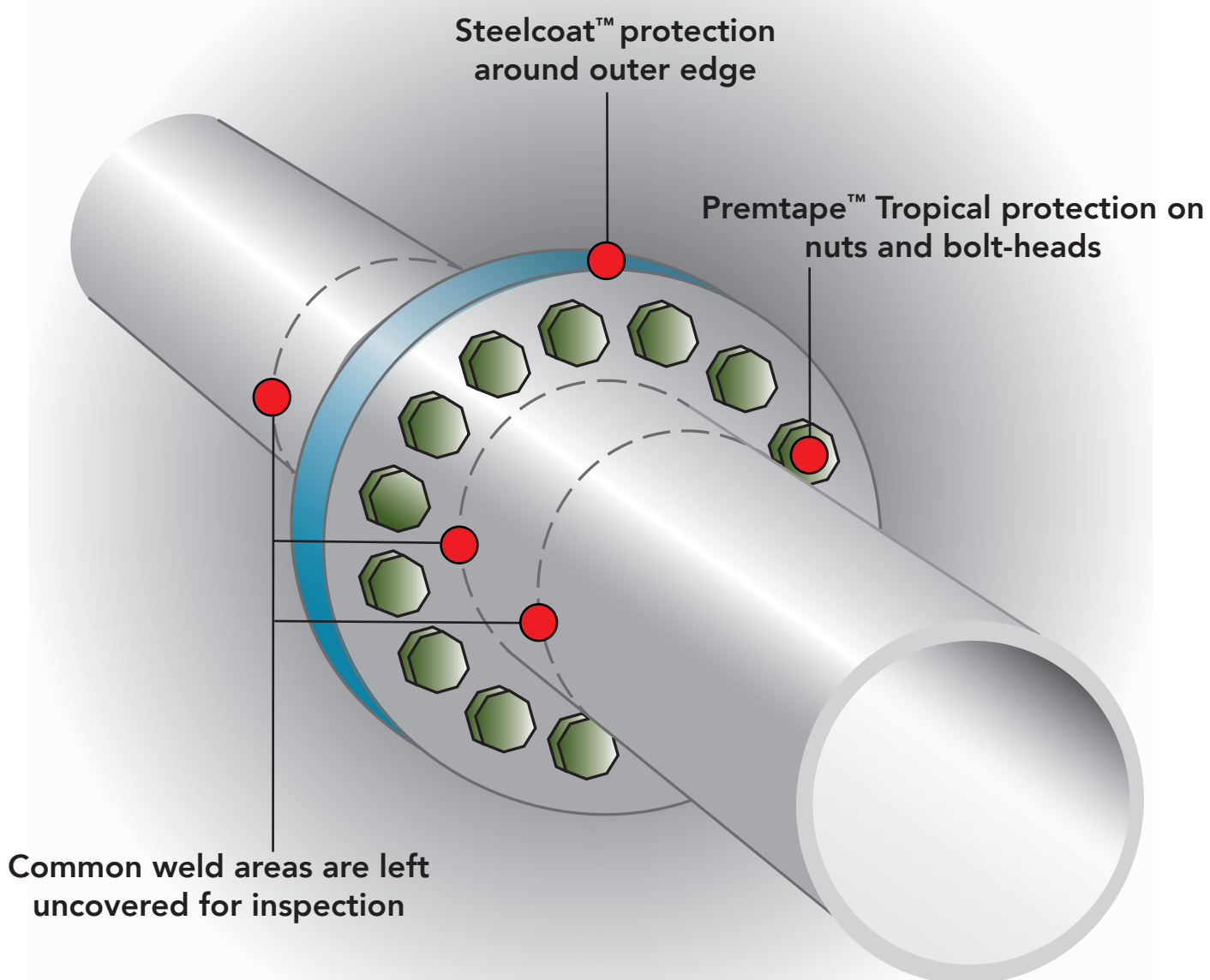


PARTIAL FLANGE PROTECTION SYSTEM**INSTRUCTIONS FOR USE**

For Above Ground Application to (UV) Exposed Flanges



A hand applied surface tolerant tape wrap system for protecting exposed flanges that are subject to scheduled weld inspections. The system protects the vulnerable areas of the flange but leaves the weld area easily accessible for inspection.

COMPONENTS

PREMPASTE™ • PREMTAPE™ TROPICAL • PREMIER ULTRASEAL RT™ • PREMIER™ ACRYLIC TOPCOAT

APPLICATION PROCEDURE

1. SURFACE PREPARATION

Surfaces must be clean and dry. Remove all loose rust, scale and flaking coatings by scraping, wire brushing or blast cleaning if practically possible/achievable.

2. PRIMING PREMPASTE™

Apply PREMPASTE™ by brush or gloved hand in a thin layer over the entire surface that is to be taped including the flange fastening nuts, protruding threads and bolt heads.

Work the PREMPASTE into the open joint around the outer edge of the flange where the flange gasket is situated and fill the cavity. **See Fig.1**

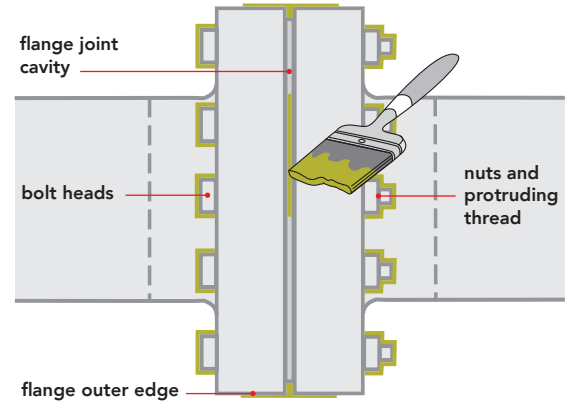


Fig.1 PREMPASTE
Fill the cavity between flange gasket and the outer flange edge. Coat the flange edge, bolt heads, nuts and protruding thread

3. TAPE APPLICATION TO FLANGE FASTENING NUTS & BOLT-HEADS - PREMTAPE™ TROPICAL

Wrap every fastening nut and bolt head protruding from each flange face with one layer of PREMTAPE TROPICAL.

Depending on the size of the nuts and bolts cut the tape into relevant sized strips and make sure they are pushed into the contours and adhere to all of the surfaces as shown in the diagrams.

See Figs.2-5

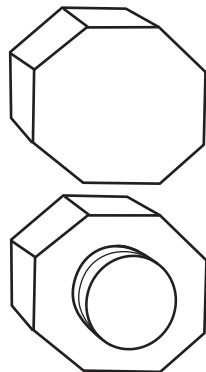


Fig.2 Primed nut and bolt head.

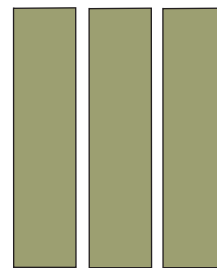


Fig.3 Prepare the PREMTAPE TROPICAL strips

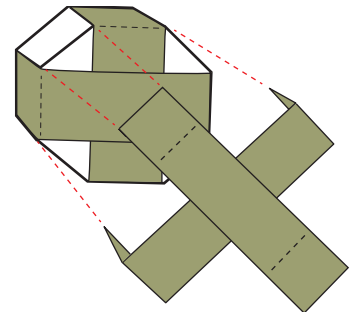


Fig.4 Wrap the tape strips over the nut and bolt heads to cover all of the primed area and smooth down.

PREMTAPE TROPICAL is then applied around the nut with two full circumferential turns applying reasonable tension to hold the tape in place. Make sure any gaps between the back of the nuts/bolts and the flange face are sealed by tape.

See Fig.6

To finish, smooth down all overlaps ensuring the PREMTAPE TROPICAL is fully moulded to the thread and bolts.

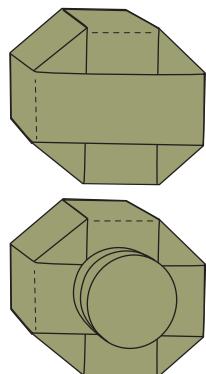


Fig.5 PREMTAPE TROPICAL strips applied over each nut and bolt.

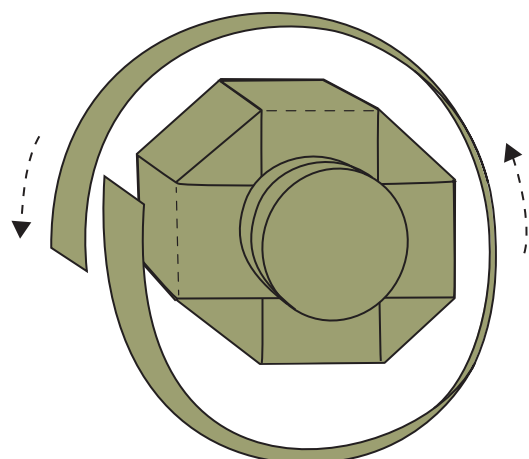


Fig.6 Wrap PREMTAPE TROPICAL two circumferential turns around the nut and bolt sides then smooth down. Make sure the tape seals the back of the nut/bolt where it meets the flange face.

4. 1ST TAPE APPLICATION TO FLANGE OUTER EDGE - PREMTAPE™ TROPICAL

Select the appropriate width depending on the flange size and wrap one piece of PREMTAPE TROPICAL centrally around the flange outer edge to cover the flange joint.

One layer of tape is sufficient and overlap the tape onto itself in a weatherboard fashion by at least the width of the tape to complete the circuit. **See Fig.7**

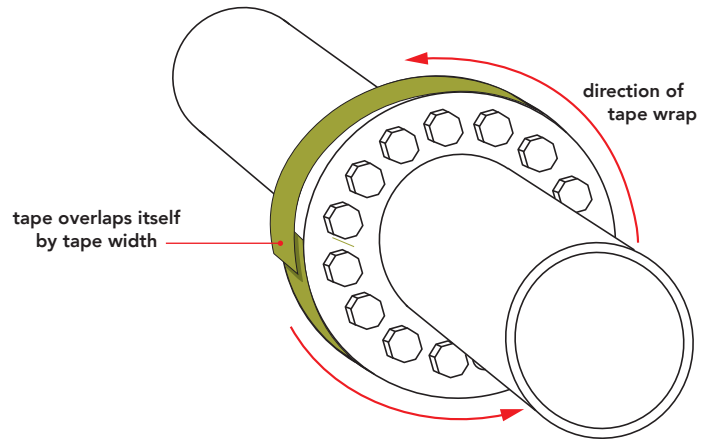


Fig.7 PREMTAPE TROPICAL
Wrap one layer of tape around the flange outer edge and overlap downwards in a weatherboard fashion.

5. 2ND TAPE APPLICATION TO FLANGE OUTER EDGE - PREMIER ULTRASEAL RT™

PREMIER ULTRASEAL RT™ is applied to exactly the same area that the previous application of PREMTAPE TROPICAL was, as a second layer.

Select the appropriate width and Peel back about 0.5m of interleaving and apply the adhesive side of the tape firmly to the PREMTAPE TROPICAL to get it started.

Wrap the tape around the flange outer edge removing the interleaving as you go and following the track of the PREMTAPE TROPICAL below it. As before, overlap the tape onto itself in a weatherboard fashion by at least the width of the tape to complete the circuit. **See Fig.8**

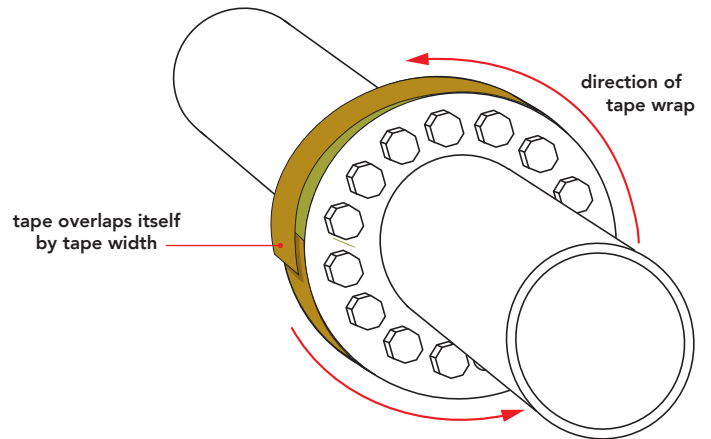


Fig.8 PREMIER ULTRASEAL RT
Wrap one layer of tape around the flange outer edge and overlap downwards in a weatherboard fashion.

6. APPLICATION OF TOPCOAT TO FLANGE OUTER EDGE - DENSO ACRYLIC TOPCOAT™

The PREMIER ULTRASEAL RT is overcoated with two coats of the PREMIER ACRYLIC TOPCOAT™ by means of a brush or roller. **See Fig.9**

Allow the first coat to dry before the application of the second coat.

Ensure the PREMIER ULTRASEAL RT extended fabric interleaving is fully wet through with the PREMIER ACRYLIC TOPCOAT.

Apply the two coats thick at the coverage of 3m² per litre.

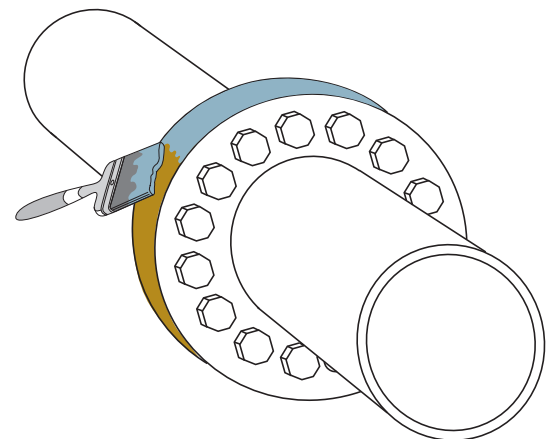


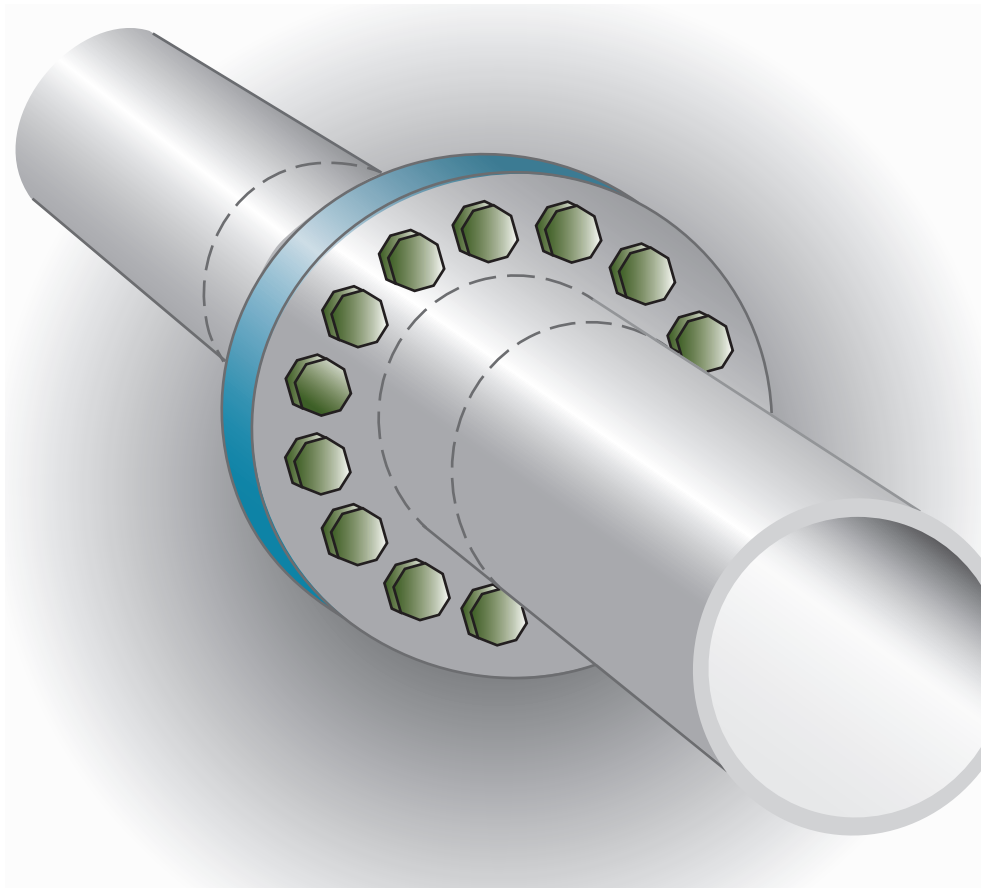
Fig.9 PREMIER ACRYLIC TOPCOAT
Apply two coats of topcoat over the PREMIER ULTRASEAL RT allowing the first coat to dry thoroughly.

PLEASE NOTE:

As this PREMIER system does not cover the weld area where the flange is joined to the pipeline, we strongly advise that a temporary spiral wrap of PREMTAPE TROPICAL is applied over the weld for protection between inspections. This can be easily removed before and replaced after any inspections are carried out.

PARTIAL FLANGE PROTECTION SYSTEM

For Above Ground Application to (UV) Exposed Flanges

**7. STORAGE**

- Store products the correct way up in their original packaging on suitable racking and out of direct sunlight in a dry, cool and well ventilated environment.
- Store away from heat and flames..

8. WASTE 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:

Premier Coatings 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 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 assessments and 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. All rights reserved.