

## Tank lid packing 2500

It is very important to remove all used packing carefully from the groove of the lid or hatch and to make sure that there is no deposit of rust, scale or dirt.

Measure the width and depth of the groove to confirm that the correct size of packing will be installed.

The TEADIT tank lid packing style 2500 usually has a tolerance of -1mm/+2mm on the section.

After cleaning, lubricate the groove with silicone grease.

The end of the tank lid packing should be cut with a well sharpened blade to make a clean and straight cut.

The packing should then be placed around the lid (hatch) to “mark” the point of overlapping.

**IT IS IMPORTANT THAT THE PACKING IS SLIGHTLY COMPRESSED WHEN BEING FITTED AND BEFORE CUTTING 2% SHOULD BE ADDED TO THE LENGTH OF THE REQUIRED RING FOR A DIAMETRE > 400mm AND 1% FOR SMALLER SIZES.**

The marked packing can then be removed from the groove and is ready for cutting and welding. It is very important to make a straight cut at 90° to the length of the packing. To facilitate welding it is recommended to slightly “ruffle“ the synthetic fibre at the two exposed ends.

If more lids of the same size need to be sealed, it is not necessary to mark all the rings, the first ring can serve as a sample.

To achieve a good weld you should use a hot-plate (wedge-shaped) for temperatures of 250°C to 350°C ①; then place the two ends of the packing against the hot surfaces until the synthetic yarn starts to melt. When you can feel the two ends sliding on the hot plate they should quickly be joined together and held in position while cooling.

N.B.: Be careful not to hold the two ends of the packing for too long against the hot plate, as this could make the yarn shrink over the core, leaving too much of the rubber exposed (which might in turn be damaged).

## Tank lid packing 2500 cont'd...

The endless packing ring of TEADIT style 2500 should now be slightly flexed to verify that welding has been successful. The area of the weld should be wiped with silicone grease and wrapped with PTFE tape.

To add to the strength of that surface and to avoid abrasion, the PTFE tape should be reinforced with a double diagonal wrapping of PTFE yarn. The finished joint should again be wiped with silicone grease.

The finished ring can now be fitted.

On oval covers, start by inserting the joint on a straight section, then insert the packing on the opposite side of the joint, then the relative points at 90° and finally press the rest of the packing into the groove.

On hinged covers the joint should be on the opposite side of the hinge.

If the packing is used for a double seal, the joints should be placed at the centre of the straight sides and on opposite sides of the lid.

① When PTFE products are heated to high temperatures, they may release dangerous fumes and cause undesired effects if inhaled. This effect starts at a temperature of around 250° C and remains at its minimum at temperatures below 300°C. Be careful to avoid contaminating tobacco with PTFE particles or PTFE dispersion left on hands or clothing.

Since all parameters regarding properties, specifications and applications mentioned throughout this installation instructions are approximate and may be mutually influenced, your specific application should not be undertaken without independent study and evaluation for suitability. All technical data and advice given is based on experiences TEADIT has made so far.

Failure to select proper sealing products can result in damage and/or personal injury. Properties, specifications and application parameters are subject to change without notice. TEADIT does not undertake liability of any kind whatsoever.