

Preservation Specification: Flanges and Other Machined Metal Surfaces – OMNI-TUFF Seal'n'Peel 452

COATING DESCRIPTION

Seal'n'Peel is a peelable, permanently flexible, polyvinyl chloride copolymer solution coating used mainly for external applications as a heavy-duty membrane for protection against moisture. Seal'n'Peel 452 is the brushable version of the Seal'n'Peel family of products.

TECHNICAL SPECIFICATION

Seal'n'Peel 452 is specified for use on carbon and mild steels. This product shall not be used on stainless steel.

For stainless steel, Seal'n'Peel OGS is available and can be used for metal surface protection.

Refer relevant Technical Data Sheets for more information.

BENEFITS

- Easy application process with relatively short dry time
- Prevents rust creep (non-seepage)
- Minimal effort required to remove (peel) coating from metal surface (non-residue)
- Demonstrated on EPC/major Oil & Gas projects to withstand prolonged continuous contact with moisture (e.g. moisture trapped between the outer cover and the metal surface).
- Refer Track of Use Report for more information.

CAUTIONARY NOTE

Due to the material's low flash point, the proposed application locations/environment should be reviewed by relevant safety departments prior to use.

Refer relevant Safety and Technical Data Sheets for more information.

APPLICATION PROCEDURE

Prior to applying the preservative coating, completely remove all rust, mill varnish, temporary preservative coating and other contamination (e.g. corrosion) from the machined gasket sealing surfaces by solvent cleaning in accordance with SSPC-SP1, or by another approved method that will not damage the machined surface.

Wait for the cleaning agent to dry; touch test the machined surface to confirm there is no residue from earlier preservation and to confirm the surface is completely dry.

Apply an even coat of Seal'n'Peel by brush, working in one direction. Don't overwork the finish as this will cause stretch marks. Avoid excess wetness on vertical surfaces as this will cause runs.

Once the first coat is touch dry (Seal'n'Peel 452 is touch dry in 2-5 min at 77°F (25°C)), apply a second coat at a right angle to the previous coat. Ensure that there are no longer any exposed areas of the metal surface.

2-3 coats of Seal'n'Peel should result in a dry film thickness (DFT) of approximately 10 thou (250 microns). Manufacturer's suggested DFT is 20 thou (500 microns), however field experience has demonstrated that a lower DFT will provide a sufficient level of protection.

REMOVAL PROCEDURE

Remove coating film by starting from an edge and peeling the coating from the metal surface.

For further testing requirements please contact the Coatings Testing Team at sales@omnituff.com

GLOSSARY OF TERMS:

- **SSPC-SP1** - SSPC-SP1 Solvent Cleaning. The method of solvent cleaning is intended to remove “all visible oil, grease, soil, drawing and cutting compounds, and all other soluble contaminants from steel surfaces.” The specification calls for the removal of dust before solvent cleaning by the use of a stiff bristle brush.
- **Flash Point** – The flash point is the temperature at which a particular organic compound gives off sufficient vapour to ignite in air.
- **DFT** - Dry film thickness (DFT) is the thickness of a coating as measured above the substrate. This can consist of a single layer or multiple layers (Corrosionpedia).

Disclaimer: Since the use and application of this product is beyond our control we cannot be held responsible for product field performance or personnel safety during application and use of product. The information presented in this document is not to be construed as a performance warranty.

