Kersten Kunststof(f)coating

Halar

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Halar ECTFE is a high-quality thermoplastic fluoropolymer made by Solvay Solexis, USA. This coating is chemically very resistant, even at high temperatures (150 °C). It has good non-sticking properties. Kersten Kunststofcoating also applies other fluoropolymers like PTFE, ETFE, FEP and PFA.

Ionexchanger, internally coated with Halar

Applications

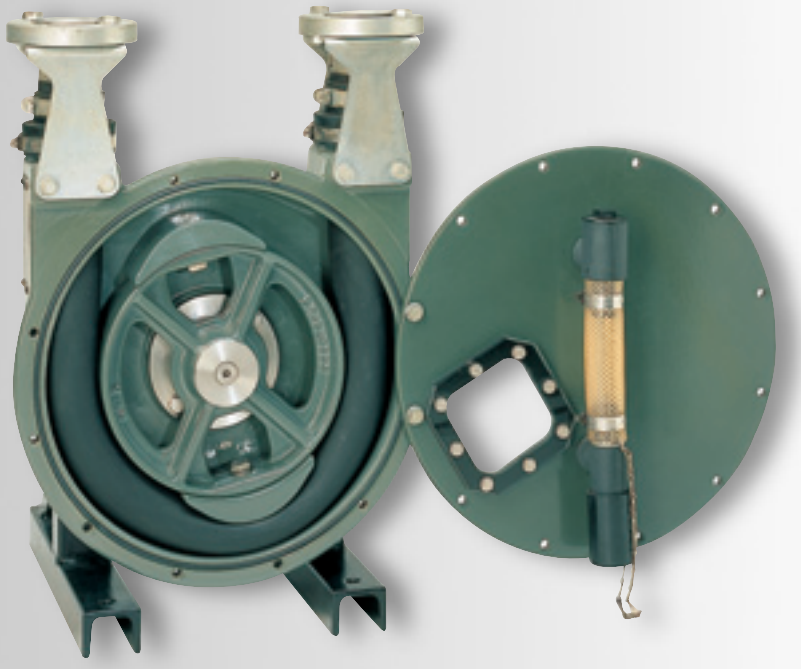
The combination of excellent corrosion-protection and good non-sticking properties makes Halar ECTFE an extremely efficient coating for:

- Filtration tanks, vessels, pipe systems and valves for storage and transport of very aggressive media.
- Machine parts for instance for the galvanic and semiconductor industries.
- Surfaces requiring a combination of non-sticking and abrasive resistance properties are necessary.

Properties and benefits

Halar ECTFE is applied by electrostatic powderspray. This means the total thickness of the coating is adjustable. The optimum layer thickness will be chosen for the application concerned. The most important properties and benefits of Halar ECTFE are:

- Excellent corrosionprotection even in combination with high temperatures.
- Resistant against abrasive media.
- Good non-sticking properties.
- Free of solvents.
- Halar ECTFE is used as a substitute for very expensive alloys. If Halar ECTFE is applied to carbon steel or a standard stainless steel, the corrosionprotection is the same or even better than that of very expensive alloys.
- Halar ECTFE can be mechanical-shaped after the coating procedure.
- Durable.



Hosepump

Construction

All constructions should be accessible for visual inspection, grit blasting, coating and thickness and pore control. It is also necessary to round off sharp edges with a radius of 3 mm. All parts should be totally welded without pores, polished and welding drops should be removed. The holes for the bolts in flanges should be rounded and sized 2 mm. larger in diameter if corrosion-protection is required. For more detailed information please ask for the construction guideline.

Electrostatic powderspray

Halar, ECTFE is applied by electrostatic powder spaying. The coating procedure is:

- Check metal products on arrival to ensure they are suitable for coating.
- Grit blasting SA 2½ or 3 and remove dust.
- Preheat the products in ovens to above the melting temperature of the powder coating.
- Apply Halar coating. After product pre-heating, the powder is sprayed on the product. The difference in electric potential between the powder and surface causes the powder to be drawn to the surface. After spraying, the product is placed in the oven to melt the powder. This procedure is repeated until the desired coating thickness is reached.
- Check the coating thickness and test the pore-freedom of the coating after the construction has cooled down.

Halar

Brummen

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