

Accotron

Accotron is a thermoplastic fluoropolymer coating mainly applied to obtain corrosion protection.

Application

Accotron is a successfully applied coating on chemical reactors, tanks, distillation units, temperature sensors etc. to protect the item against strong acids. We have especially good experience of sulphuric acid of strong concentrations up to 120°C .

Within the semiconductor industry, which makes heavy demands on clean rooms and consequently on ventilation, the Accotron coating is applied inside the ventilation ducts. Gases extracted by suction often are aggressive and in this way the coating serves as corrosion protection. At the same time it has a compact structure to further facilitate the cleaning of the ducts. Eventually the non-combustible Accotron coating comply with the demands from the fire brigade authorities.



Tank for storage of sulphuric acid coated inside with **Accotron**

Finishing possibilities

It is possible to give the coating a finishing treatment, for example through turning - a procedure often utilized within the galvanic industry and the pumping industry where adjusting of flanges or threading are often needed.

After the coating treatment of a ventilation wheel it may be necessary to balance the wheel. The Accotron coating makes it possible to weld small plates of a similar material directly on the existing coating by means of for example a hot-air pistol. In the same way it is possible to execute smaller coating repairs if the coating should be slightly damaged before being put into service.

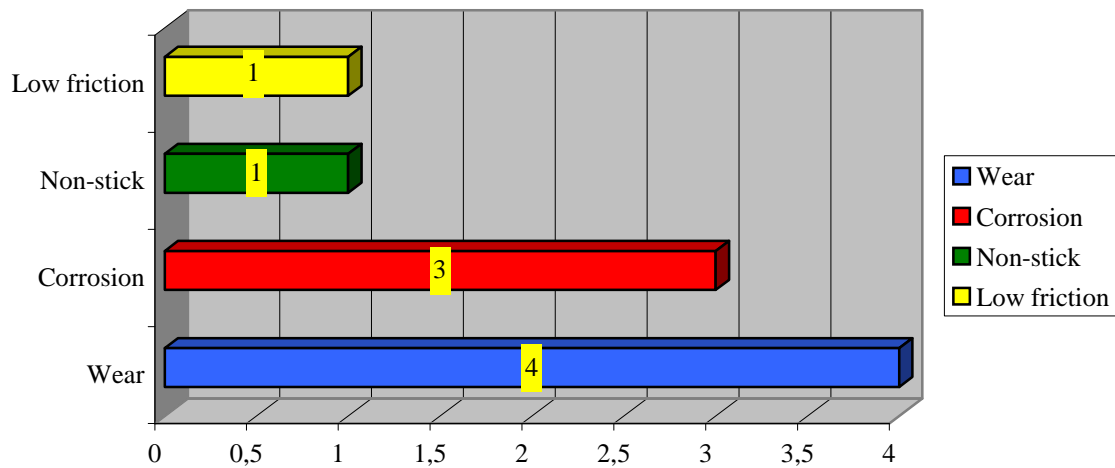
Technical information

Accotron appears dark greenish and the top coat is applicable with foodstuffs according to the EU Directives Normally the coating is applied with a layer thickness of ½-1 mm which results in a sturdy and hard surface. The coating therefore is a good option for items exposed to wear. The coating is resistant to acids and bases as well as most solvents. But, a few solvents such as tetrahydrofuran should be treated with some of our other coatings.



Mixer for the chemical industry coated with, **Accotron**

Most substantial properties:



1 = moderate, 2 = good, 3 = very good, 4 = excellent

| Property | Data |
|---|--------------------------------------|
| Layer thickness (µm) | 550 – 1500+ |
| Colour | Dark grey/green |
| Range of temperature | Up to 150°C (with water max. 70°C) |
| Coefficient of friction against steel | Static 0,19, dynamic 0,19 |
| Length coefficient of expansion ($10^{-6} \times K^{-1}$) | 40 – 80 |
| Hardness (Shore D) | 70 – 80 |
| Contact with foodstuffs contact | No |
| Materials suitable for coatings | Steel, Stainless steel, Aluminium |
| Limitation | Cutting tool will damage the coating |

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| Safety precautions | At heating temperatures above 300°C acid gases that may be toxic are given off: Therefore do not weld etc. on the metal close to the coating. To remove old coatings it is advisable to do it mechanically, for example by sandblasting. |
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Consultancy and information given are based on laboratory tests and many years of experience and meant as help for you to choose product and application.

As Acccoat A/S has no control over the conditions under which its products may be employed, Acccoat A/S can only take responsibility that the coatings live up to the standards that appear from our technical data sheets and sales material. The liability for damages can never exceed the price paid for the coating.