

Accoshield

Accoshield is a thermoplastic fluoropolymer surface coating mainly applied to obtain non-stick and corrosive preventive properties.

Application

Accoshield is used for many purposes i.e. reaction vessels, pipes, valves etc. in the chemical industry and in industries where corrosion protection of steel and/or stainless steel is required. With applicability of the coating at high temperatures (up to 250° C) you will be able to use this coating where other coatings would not solve the problem. We have, for example, good experience with sulphuric acid in high concentrations at temperatures up to 240° C.

As the coating has excellent non-stick properties it can also be used where easy cleaning and unproblematic material transportation are requested.

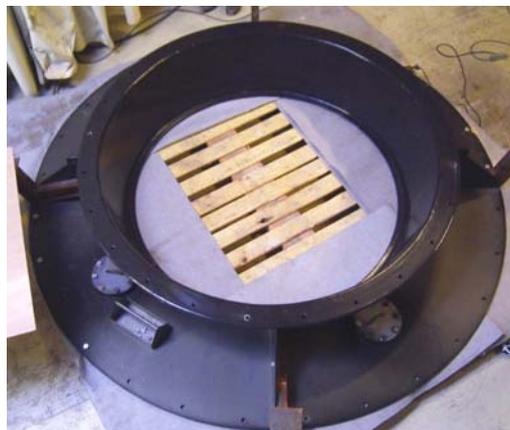
Technical information

The Accoshield surface is black smooth and half-mat. To obtain maximum adherence in order to finally give the item long durability the item – before the coating process – is cleaned and sandblasted to remove any inclusions. As this treatment involves a process temperature of 400° C it is a precondition that the construction of the item can stand the temperature.

The surface coating itself is relatively soft and may be damaged by sharp tools etc. It is therefore highly recommended that employees working with items coated with Accoshield are informed accordingly and use suitable tool such as rubber scrapers etc.

Test plates

Free of charge we supply surface samples with different Accoat surface coatings. So you will be able to look and feel which surface properties are best suited for your purpose. Please contact our sales department to ask for relevant test plates.



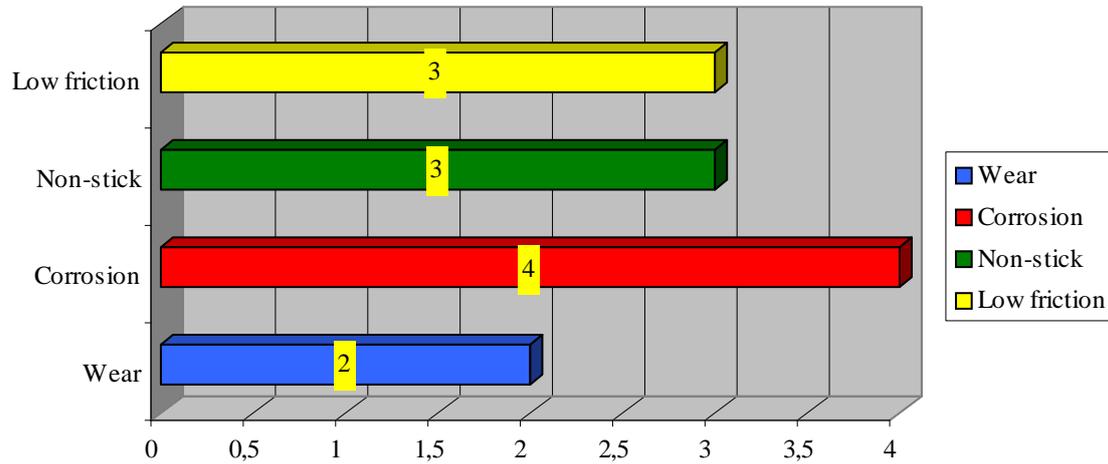
Large ring ø 2.2 m coated with Accoshield



Steel apron coated with Accoshield

Most substantiel properties:

1 = Moderate, 2 = Good, 3 = Very good, 4 = Excellent



Property	Value
Layer thickness (µm)	550 – 800 µm +
Colour	Black
Range of temperature	250° C continuously
Coefficient of friction	About. 0,2 -0,3 against steel
Hardness (Shore D)	60-65
Contact with foodstuffs	All constituent components are not in FDA's register, but the coating copes with the extraction tests requested
Materials suited for coatings	Steel, stainless steel, aluminium
Limitations	Use of sharp tool will damage the coating

Safety	As the heating temperature exceeds 300°C possible toxic acid gases may be given off: Therefore, do not weld etc. on metal parts close o the coating. To remove old coatings it is advisable to do it mechanically, for example by sandblasting.
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Our consultancy and information are base don laboratory tests and many years of experience and is meant as a help for you to choose type of product and application.

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