


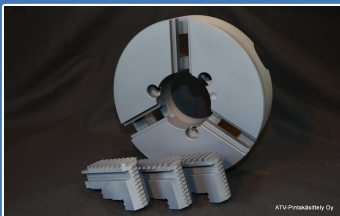
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Finnish industrial coating applicator

Technical properties

Teflon coatings®

PTFE

Superior non-stick surface. Perfect for bakeware and cookware. PTFE is also hydrophobic and low friction coating. It can be considered as US and/or EU food contact acceptable

Thickness: 10-40µm
Operating temperature: +260°C continuous
+315°C peak
Chemical resistance: Excellent

PFA

PFA has similar properties as FEP. It is more resistant to heat and it takes much more bending and flexing than FEP. It can be considered as US and/or EU food contact acceptable.

Thickness: 50-75µm
Operating temperature: +260°C continuous
Dielectric strength: 30-32 kV/mm
Chemical resistance: Excellent

FEP

Chemically inert coating with excellent thermal stability. Good non-stick properties and resistance to environmental influences. It can be considered as US and/or EU food contact acceptable.

Thickness: 10-40µm
Operating temperature: +205°C continuous
+230°C peak
Chemical resistance: Excellent

HALAR®

Halar® ECTFE is a partially fluorinated semi-crystalline polymer. It has excellent fire resistance and chemical resistance.

Thickness: 50-500µm
Operating temperature: +150°C continuous
Dielectric strength: 30-35 kV/mm
Chemical resistance: Excellent

Ceramic coatings

DRY FILM LUBRICANT

Coating is used to reduce friction on variety of components. E.g. piston skirts, valve stems, cams, cranks, firearm components, such as bolts and bolt carriers. Can be used on metal and nonmetal substrates.

Thickness: 5-15µm
Operating temperature: +650°C continuous
Corrosion resistance: Good
Scratch hardness: 9H
Pencil hardness: 9H
Chemical resistance: Good

COLORED COATINGS

Coatings are mainly used to enhance esthetics of part and add protective features. E.g. high heat resistance and UV stability. Can be used on both metal and non-metal substrates.

Thickness: 25-50µm
Operating temperature: +950°C continuous
Corrosion resistance: Good
Scratch hardness: 8H
Pencil hardness: 9H
Chemical resistance: Good

CLEAR COATINGS

Clear coatings are designed to provide long lasting finish for variety of substrates. It is durable, corrosion resistant and provides good hardness and adhesion. It can be used as a topcoat over a number of coatings and materials.

Thickness: 10-20µm
Operating temperature: +15°C continuous
Corrosion resistance: Good
Scratch hardness: 6H
Pencil hardness: 7H
Chemical resistance: Good

HARD CHROME PLATINGS

HARD CHROME

Chrome plating is used for wear and corrosion resistance in addition to its low friction characteristics.

Thickness: 0-3mm
Operating temperature: +400°C continuous
Hardness: 900-1000 HV (Iso>700)
Corrosion resistance: Correspond to AISI 304

HARD CHROME AND TEFLON®

Chrome plating is sealed with fluoroplastics e.g. Teflon®. Sealed surface is corrosion resistant, low friction and easy to clean.

Thickness: 0,03- 0,75mm
Operating temperature: +250°C continuous
Hardness: 850-950 HV (Iso>700)
Corrosion resistance: Correspond to AISI 317