

Accofal 2G54 and 2G

Accofal 2G54 and 2G are thermoplastic fluoropolymer coatings with excellent low friction and non-stick properties.

Uses

Accofal has been in use for many years and has served a wide variety of purposes on surfaces where excellent non-stick properties, ease of cleaning and low friction are important. The coating is widely used in the foodstuffs industry, for example in equipment used in marzipan figure manufacture and in fast-food units. In addition, the coating is well suited to paper, textiles, and graphical industry rollers and in chutes used in powder transport.

Because of its high temperature operating threshold (up to 250°C) the coating can also be used in plastic welding, and despite a relatively low coating thickness it is also well suited to coating objects which require protection from mild corrosion.



Equipment coated with
Accofal 2G

Technical information

Accofal 2G54 is black and Accofal 2G is green, both coatings have a smooth and semi-glossy surface. In order to achieve optimal adhesion and thereby increase product lifetime, the object to be coated should be cleaned before beginning the coating process. In addition the object to be coated should be sand-blasted to remove any impurities and ensure optimal coating adhesion. The electrostatic coating process ensures that even complex objects achieve total and uniform coating thickness.

Damaged coating cannot be repaired on site but must be returned to Acccoat for re-coating.

The coating is relatively soft and use of sharp tools and similar equipment can cause damage. We recommend that employees who work with products coated with Accofal 2G54 are informed of this and that they are provided with tools which will not damage the coating, e.g. plastic putty knives for use when working with paint and varnish.

Samples

We are happy to provide sample plates treated with Acccoat coatings free of charge, allowing you to see for yourself whether the coating matches your requirements. Contact our sales department for details.

Please Note

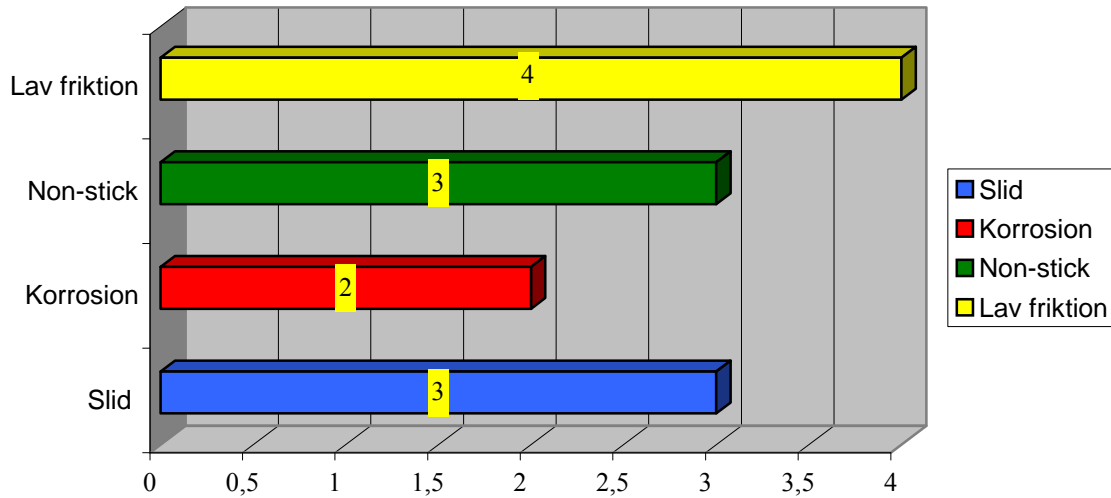
This data sheet also covers the following coatings:
Accofal 1G, 3G, 1G54 and 3G54.

Technical details may vary slightly between the coatings. (Contact Acccoat's sales department for additional information)



Pipe section coated with **Accofal 2G54**

Significant Properties: Accofal 2G54 and 2G



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

Property	Value
Layer thickness (μm)	1G and 1G54: 20 – 60 μm 2G and 2G54: 30 – 80 μm 3G and 3G54: 50 – 100 μm
Colour	1G, 2G, 3G = green 1G54, 2G54, 3G54 = black
Temperature range	Continuous -240 °C to +250 °C
Friction co-efficient	0,2 to 0,3 (against steel)
Contact with foodstuffs	Yes, 1G54, 2G54 and 3G54 according to FDA and EC 1935/2004
Materials that can be coated	Steel, stainless steel and aluminium
Limitations	Use of sharp tools will damage the coating
Safety	Heating to over 300°C will result in the release of acidic gases which can be poisonous. Do not weld or perform similar operations on the metal close to coated areas. Old coating is best removed mechanically, e.g. by sandblasting.

Our advice and information is based on laboratory tests and extensive experience and can help guide your product choice, and help you determine which applications are appropriate for the product.

Given that the user's work practices and the use to which the user puts our products are beyond our control, Acccoat A/S' responsibility is limited to the products conforming to Acccoat standards as detailed in technical data sheets and other sales material. Responsibility for replacement / compensation will under no circumstances extend beyond the price paid for the coating.