

PRODUCT DATA SHEET F-LON® 5070 Series

F-LON® 5070 is an excellent **Low Friction** coating.

F-LON® 5070 is a coating, which is normally applied in either one or two coats, exhibiting the following properties:

- Exceptional hardness at elevated temperatures.
- Excellent weather resistance.
- Excellent adhesion to most substrates.
- Easy application techniques.
- Good chemical resistance against a range of chemicals.

F-LON® 5070 was developed for applications which:

- Require the optimum balance of low friction, hardness and durability.
- Are required to function at elevated temperatures, i.e. > 200 °C.
- Need excellent adhesion to most substrates with minimal surface preparation.
- Need protection against environmental attack used in conjunction with phosphate pre-treatment to enhance salt spray protection.
- Need a wear/abrasion resistant coating.

Appearance: Smooth, satin finish, with slippery/waxy feel which is typical of PTFE based coatings.

F-LON® 5070 Series

Recommended Dry Film Thickness	20 +/- 5 microns
Substrates	Any metallic substrate.
Pre-treatment	Phosphate, gritblast, degrease or passivation.
Application method	Hand spray or automatic spray line.
Curing schedule	+220 °C to +345 °C
Operating Temperature	-195 °C to +260 °C
Colours available	All colours, except white and light pastel shades technically possible.
Typical applications	Threaded fasteners, stud bolts, nuts etc.
Other properties	Corrosion resistance Wear/Abrasion resistance Cryogenic stability

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