

PRODUCT DATA SHEET F-LON® 5000 Series

F-LON® 5000 is an excellent **Low Friction** coating. It also exhibits high level of hardness and heat dissipation.

F-LON® 5000 is a patented fluoropolymer coating applied in a single coat, exhibiting the following properties:

- Exceptional hardness at elevated temperatures.
- Excellent adhesion to most substrates.
- Easy application techniques.

F-LON® 5000 was developed for applications which:

- Require excellent dry film lubrication.
- 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.

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

F-LON® 5000 Series

Recommended Dry Film Thickness	20 +/- 5 microns on flat plates 30-35 microns on round parts
Substrates	Any metallic substrate.
Pre-treatment	Phosphate, gritblast, degrease or passivation.
Application method	Hand spray or automatic spray line.
Curing schedule	+180 °C to +260 °C
Operating Temperature	-195 °C to +260 °C
Colours available	All colours, except white and light pastel shades, technically possible.
Typical applications	Dry Lubricant: Rotary actuators, bearings garden tools, bearing plates and Carburetors etc
Other properties	Cryogenic stability Heat resistance Wear/Abrasion resistance Non- stick

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