

PRODUCT DATA SHEET F-LON® 5040 Series

F-LON® 5040 is an excellent **Low Friction** coating. It also exhibits high level of hardness and heat dissipation.

F-LON® 5040 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® 5040 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.

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Recommended Dry Film Thickness	20 +/- 5 microns on flat plates 30-35 microns on round parts
Substrates	Any metal substrate except high copper containing alloys.
Pre-treatment	Phosphate, gritblast, degrease or passivation.
Application method	Hand spray or automatic spray line.
Curing schedule	15 min. at 340 °C to develop a max abrasion resistance 30 min. at 250°C is min to get corrosion resistance & dry lubrication 30 min at 315°C -to get additional non-stick
Operating Temperature	-195 °C to +260 °C
Colours available	Black
Typical applications	Dry Lubricant: Rotary actuators, bearings garden tools, bearing plates and Carburetors etc
Other properties	Cryogenic stability Heat resistance Wear/Abrasion resistance

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