

PRODUCT DATA SHEET F-LON® 5050 Series

F-LON® 5050 is an excellent **Low Friction** coating.

F-LON® 5050 is a patented fluoropolymer coating applied in a single coat, exhibiting the following properties:

- Excellent adhesion to most substrates.
- Easy application techniques.
- Excellent abrasion resistance.

F-LON® 5050 was developed for applications which:

- Require excellent dry film lubrication.
- Are required to function at elevated temperatures, i.e. > 200 °C.

Appearance Smooth, satin finish. It exhibits the typical/waxy feel of fluoropolymer based coatings.

F-LON® 5050 Series

Recommended Dry Film Thickness	18 +/- 7 microns
Substrates	Most 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 +285°C
Colours available	All colours, except white and light pastel shades technically possible.
Typical applications	Rotary actuators, hinge pins, carburettors, bearings, valve springs and sealing rings/ any mating surfaces which require lubrication.
Other properties	Cryogenic stability Wear /Abrasion resistance Heat resistant Corrosion resistance

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