

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

This product data sheet is based on the best information currently available and is offered to users in good faith but without offering or implying a warranty that such information is correct or has not been amended. Nor may it be assumed that patents, copyrights or design registrations concerning systems referred to herein may be ignored.

F-LON® is a registered trademark of Fluorocarbon Group Limited

