

PRODUCT DATA SHEET F-LON® 5090 Series

F-LON® 5090 is an excellent **Low Friction** coating. It also exhibits high level of hardness and heat dissipation.

F-LON® 5090 is a patented Fluoropolymer coating applied in a single coat, exhibits the following properties:

- Low coefficient of friction.
- Good colour stability.
- Excellent adhesion to most substances.
- Easy application techniques.

F-LON® 5090 was developed for applications which:

- Are required to function at elevated temperatures i.e. > 200 °C (392 °F).
- 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 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	Examples of successful applications include iron sole plates, temperature controlled appliances. Preformed cookware and bakeware.
Other properties	Cryogenic stability Temperature resistance Wear/Abrasion resistance Generally conforms to FDA but please seek advice on individual colours.

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