



PRODUCT DATA SHEET F-LON® 9090 Series

F-LON® 9090 has an excellent long lasting non-stick capabilities and good abrasion resistance at **High Temperatures**. It also exhibits high level of hardness, excellent heat dissipation, and is capable of corrosion & chemical resistance.

F-LON® 9090 is a 2 Coat system patented Ceramic Non-stick coating based on Sol-Gel technology.

Sol-Gel materials are formed from small inorganic particles suspended in solution that gel together to form an inorganic matrix.

F-LON® 9090 is a predominantly inorganic coating with a backbone comprising the elements silicon (Si) and oxygen (O).

F-LON® 9090 Series

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| Recommended Dry Film Thickness | 45 ± 5 µm |
| Substrates | Most metallic substrates. |
| Pre-treatment | Degrease followed by sandblasting. |
| Application method | Hand spray or automatic spray line. |
| Curing schedule | 7-10 min @ peak of 280-320°C (or higher)* |
| Operating Temperature | 450°C |
| Colours available | Most colors available avoiding any heavy metal pigments. |
| Typical applications | Whitegoods and its accessories, cookware, bakeware, heating elements, electronic equipment for heat dissipation and electrical insulative properties etc. |
| Other properties | Corrosion resistance Chemical resistance Abrasion resistance Non- stick FDA Compliant |

*Substrate: Al panel / Coating: Spray, 300°C / 10min / DFT = 45 ± 5 µm.

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