

Carbaflo® XTR5F

Perfluorinated AF-Fluid

Product description

CARBAFLO® XTR are a range of fluid coatings, developed for use as interface materials for the prevention of squeaks and for the promotion of smooth movement in automotive interior trim components and sealing systems.

Chemically similar to the first generation materials including the CARBAFLO® KSP fluids, the CARBAFLO® XTR materials feature an extended operating temperature range, improved durability and even lower volatility. The CARBAFLO® XTR products exceed the requirements of the automotive industry with an extremely wide operating temperature range from below - 54°C to above + 220°C.

CARBAFLO® XTR 5F fluid is an odourless shiny yellow liquid fluouopolymer coating requiring no curing and can be applied to any substrate material without compatibility concerns. It also exhibits improved film 'lay down' characteristics and is easier to wipe or spray onto surfaces than first generation materials.



CARBAFLO® XTR 5 F (fluorescing)

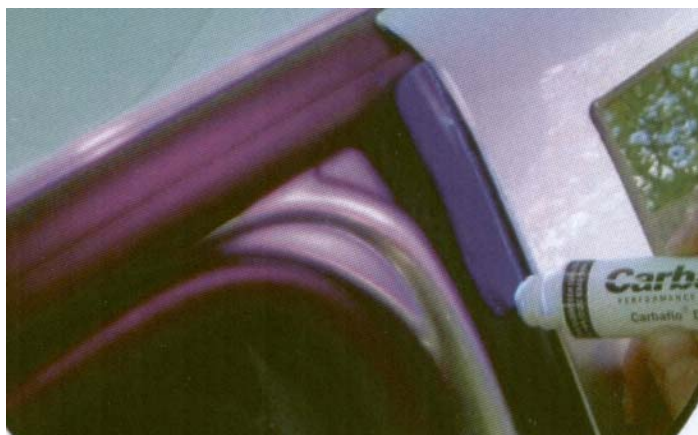
As manufacturer require their suppliers to apply these materials to components there has also been a requirement for the detection of the materials on the surface post application as an aid to quality control. Until now this has been difficult as the inclusion of colours or tracers was considered impossible due to their chemistry. However after extensive research & development we are now able to offer a **UV traceable** fluid based on the new XTR 5 material. The **CARBAFLO® XTR 5 F** fluid allows simple detetionon any surface even when applied in a thin film using an **Ultra Violet (UV)** lamp.

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CARBAFLO® XTR5F exhibit the following enhanced properties:

- Odourless
- Virtually invisible once applied
- Compatible with plastics and rubbers
- Low friction
- Wide temperature range - 54°C up to +220°C
- Easier application



Application

CARBAFLO® XTR5F may be applied on clean surfaces as a thin film by spraying, wiping or brushing. Also a dipping of the parts is possible. A range of standard and bespoke equipment for manual and automatic application can be supplied.

Typical Properties

TEST	SPECIFICATION	RESULT
Viscosity at 20°C 40°C 100°C		543 208 34
Useful temperature range density		-40°C up to +204°C 1,86 g/cm ³
Appearance XTR 5F		Yellowish transparent fluid
Friction coefficient		0,07
Maximum volatility (Wt loss in % in 22 h)	66°C 121°C 204°C	1 2 10