Technical data sheet
STP FLEX
Sprayable Sealant

DESCRIPTION
STP FLEX is an advanced, STP-based hybrid sealant which gives highly flexible coats for sealing and protection of joint laps in automotive assemblies. The sealant is intended for application with special air spray guns and manual extrusion guns. The sprayable sealant can reproduce the OEM coating textures in motor vehicles. The curing action is based on the absorption of ambient moisture. The sprayable sealant is a product with the state-of-the-art in hybrid resin technologies, combining the strength of PUR with the flexibility, adhesion and weather resistance of siloxane compounds. The product is isocyanate free, which improves the work comfort and does not expose the user to harmful compounds. The product is easy to apply, while boasting high stability and adhesion to various substrates: carbon steels, galvanized steels, aluminium, glass, acrylic and epoxy primers, and concrete. The product is available in plastic and aluminium cartridges.

PROPERTIES	
Curing action	absorption of ambient moisture
Density	1.50 g/cm^3
Hardness, Shore A	50
Tensile strength (PN ISO 527)	1.2 MPa
Ultimate elongation (PN ISO 527)	80%

COATABILITY
Coatable with water-borne and solvent basecoats once the skin has cured and for 10 days after. If coated later than 10 days after the application of the STP, it is recommended to wipe it with the PLUS 780 or EXTRA 785 degreaser, followed by applying the PLUS 700 or PLAST 705 adhesion increasing agent. Do not exceed the maximum decorative coating thickness of 60 µm, as the STP FLEX remains highly elastic. Otherwise, the paint coat applied to the STP may develop cracks. STP FLEX is not suitable for coating with alkyd coats or any coats with anaerobic curing action.

CAUTION
Do not apply sealant directly on top wash primers or one-component acrylic, epoxy and nitrocellulose products.

SUBSTRATES	
Steel	Degrease, sand with P120, and degrease again.
Galvanized steel	Degrease, matt with an abrasive finishing pad, degrease.
Aluminium	Degrease, matt with an abrasive finishing pad, degrease.
Two-component acrylic primers	Sand with P360 and degrease.
Two-component epoxy primers	Sand with P360 and degrease.
Concrete	Remove all dirt and contaminants first.
Glass	Degrease.

VOC CONTENT

VOC II/B/e limit*	840 g/l
Actual VOC	65 g/l

* For ready to apply mixture acc. to EU Directive 2004/42/EC

APPLICATION

Recommended application temperature: 15°C to 25°C.
Operate the piston to feed out 1 to 2 cm of the product before installing the cartridge in the spray gun.
The sealant is applied with special spray guns that must be operated according to their manufacturers' guidelines, or with manual or pneumatic extrusion guns. Certain finish textures require the sealant to be heated.

STP FLEX	Plastic cartridge	Aluminium cartridge	Notes
Manual cartridge gun	X	X	
Standard spraying gun	X		
Hight-pressure spraying gun		X	Certain special textures require preheating the product (up to 50°C).

DRYING TIME

Skin formation time	15 minutes at 21°C, RH 50%
Curing time	ca. 4 mm/24h at 21°C, RH 50%

COLOUR

Ochre, black, white, gray (see applicator color)

EQUIPMENT CLEANING

NC cleaners, ethyl acetate (until cured)

Removal with power tools (once cured)

STORAGE CONDITIONS

Store in a dry room, away from sources of fire and heat.

SHELF LIFE

STP FLEX	12 months at 20°C in originally sealed cartridges.

SAFETY

See the Safety Data Sheet.

OTHER INFORMATION

Registration number: 000024104

The effectiveness of our systems results from laboratory research and many years of experience. The data contained herein meets the current knowledge about our products and their application potential. We ensure high quality, provided the user follows the instructions and the work is performed in accordance with good workmanship. It is necessary to perform a test application of the product due to its potentially different reaction with different materials. We may not be held liable for defects if the final result was affected by factors beyond our control.