



# PEGUS P550

## TECHNICAL DATA SHEET

### TYPE OF PRODUCT

PEGUS P550 is a single component, polyurethane sealant which cures by the action of air moisture. By this reaction, the product changes from a pasty to an elastomeric state with high tensile strength. Passes crash test after 6 hours according to FMVSS 212 Standards.

### AREAS OF APPLICATION

PEGUS P550 is used for bonding windshields in the auto glass replacement industry.

### TECHNICAL DATA

Consistency	Thixotropic paste
Colour	Black
Density at 20 °C	1.21 ± 0.02
Service temperature	5 to 35 °C
Skin time formation at 23 °C and 50 % RH	40-60 min
Cure rate at 23 °C and 50 % RH	> 3.5 mm after 24 h
Shearing strength (Ford test)	> 500 psi (> 3.5 MPa)
Modulus at break (ASTM D 412)	> 900 psi (> 6 MPa)
Shore A hardness	> 55 after 14 days
Water and salt spray resistance	Excellent
Temperature resistance	-40 to +90°C
Specific data	Modulus at bread (ISO 37): 6 MPa Passes crash test with dual airbags after 6 hours at 23°C and 50% RH according to FMVSS 212

### INSTRUCTIONS FOR INSTALLATION

#### **Substrate preparation:**

The substrates to be bonded must be even, dry, dust free and not have any traces of grease or other contaminants that could harm bonding (silicones or demoulding agents, for example).

In case of windshield replacement, it is not necessary to completely remove the old sealant. Simply trim it off, leaving a 1 to 2 mm thickness.

There is no compatibility problem apply fresh polyurethane sealant on old polyurethane sealant.

Rub down any rusted area. Bare areas of the body must be cleaned with acetone or heptane before applying Pegus Primer.

Depending on the type of windshield, it must be treated as follows:

#### **Bare Glass:**

Pegus Systems recommends: Pegus C1 degreaser / C3 Combo Primer / windshield sealant

Clean glass with Pegus C1 degreaser or with isopropyl alcohol (90+ pure). Allow to dry completely.

Then apply a thin and uniform layer of C3 Combo Primer. Shake the bottle thoroughly until agitator ball is moving, then shade for another 30 seconds.

Close the Primer bottle immediately after use. Any contact of the primer with humidity will cause curing. For this reason, the product should be used within 24 hours after it is initially opened.



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### **Windshield With Ceramic Frit:**

Pegus Systems recommends: anti-silicone treatment / C3 Combo Primer / windshield sealant

Bonding can be performed with or without the use of primer.

Bonding without Pegus C3 Combo must be performed on a windshield with a ceramic frit that insures optimal and uniform opacity to UV and presents no silicone residues. Failure to respect these two conditions can cause a partial or total loss of adhesion of the sealant to the windshield.

To eliminate silicone residues, degrease with heptane or methylethylketone (MEK), then scuff with a 3M Scotch-Brite Red. Degrease a second time with heptane or MEK and allow a drying time of 10 minutes.

If the ceramic frit is not sufficiently opaque, or if there is any doubt regarding the anti-silicone cleaning process, apply C3 Combo Primer and allow to dry for 15 to 60 minutes, according to atmospheric conditions, before applying the sealant.

### **Encapsulated Windshield:**

Degrease if needed with methylethylketone (MEK) or acetone, allow a drying time of 10 minutes and then apply Pegus C3 Combo Primer.

### **Gunning:**

Pegus P550 can be applied by a manual or pneumatic gun.

The triangle-shaped form of the bead is determined by the shape of the nozzle.

The windshield must be fit before the sealant has formed its skin.

### **Cleaning:**

Tools can be cleaned with xylene, MED or acetone before curing.

After curing, mechanical cleaning is required.

When using cleaner, primer or cleaning solvent, keep away from all sources of ignition and carefully follow the safety and the handling instruction given by the manufacturer.

## **PACKAGING**

PEGUS P550 is available in 310 ml aluminium cartridges, 400 and 600 ml sausages.

## **STORAGE AND SHELF LIFE**

12 months in hermetically sealed original packaging between 5 and 25°C

## **SAFETY**

Harmful, read material safety data sheet before use.

### **Note :**

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired.

Before using the product, the user should carry out any necessary tests or trials in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product.

Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions.

The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.