



RPS 45

D17VERSION: 050630
Page: 1/2

SEALANT FOR GLAZING 1K

DEFINITION

RPS 45 is a single component polyurethane sealant that dries by means of a reaction with the environmental humidity and it is resistant to temperatures ranging from -30°C to 90°C, even 120°C can be reached for a short term period. It has high curing speed, great elasticity, it provides an anti-vibration effect and has no corrosive effects. It has good adhesion on such materials as aluminium, anodized aluminium, stainless and galvanized steel. It can be topcoated with a wide variety of paints at least 2 hours after application and it can be sanded afterwards. Paints based on alkyd resin are not suitable.

RPS 45 is suitable for use in different automotive sectors, shipbuilding, refrigeration cameras, ventilation, air conditioning, DIY and general maintenance. It is not suitable for the sealing of glass or expansion joints in building constructions.

PHYSICAL CHARACTERISTICS

Nature:	Polyurethane
Colour:	White, black, grey
Specific weight:	1,2 kg/l at 20°C

APPLICATION

					T° (°C)	R.H. (%)
RPS 45	> 200 g/min (1)	< 60'	MIN. 2h	3 mm / 24 h	23	50

(1): Nozzle: 5 mm - 2,5 bar

PROPERTIES OF PRODUCT AFTER CURE

	RPS 45	Units	Test method
Shore A Hardness	45	min	ISO 868
Tensile strength	1,8	N/mm ²	ISO 37
Tensile stress at 100%	0,7	N/mm ²	ISO 37
Elongation at break	600	%	ISO 37

REMARKS

Clean and degrease the surface thoroughly before applying the sealant.

Long term resistance to water, sea water, diluted weak acids and caustics. Temporarily resistant to solvents, lubricants and oils. NOT resistant to alcohols, organic acids, strong or concentrated mineral acids and caustics.

Use **RD 610** degreaser to optimize the adhesion on aluminium (also anodized) and galvanized steel. On stainless steel, after abrasion, use **RD 610** degreaser followed by **RP 630** primer.

Use acetone for cleaning uncured material as well as for bonding area. Do not use alcohols to clean bonded parts. Alcohols block curing of PU sealants.

SAFETY

Follow instructions of product label. For more information check the Safety Data Sheet SDS 802/EN. Compliant with the National Statutory Regulation for Health and Safety at Work and Waste Disposal.

STORAGE

Store the product in a ventilated place far from direct exposure to sunlight. Keep between +5°C and +30°C.

GUARANTEE

In unopened original packaging, one year from manufacturing date.

For any technical information contact with our Customer Attention Service or our Technical Department.
ROBERLO SA declines any responsibility due to an incorrect use of the product.