



# RPS 55

**D27**VERSION: 130215  
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## 1K POLYURETHANE SEALANT

### DEFINITION

**RPS 55** is a single component polyurethane elastic sealant of very fast drying suitable for general sealing, joining and bonding of the different materials used in the automotive sectors. It is an easy to apply and to smooth product that offers excellent adhesion to metal primers as well as 2K paint coatings, metals and painted plastics.

It can be over-painted one hour and a half after application.

**RPS 55** has a high curing speed because of a reaction with environmental humidity at ambient temperature. Once dry, it provides good proprieties such as resistance to water, humidity, temperature changes or vibrations.

### PHYSICAL CHARACTERISTICS

<b>Nature:</b>	Polyurethane
<b>Colour:</b>	White, black, grey
<b>Specific weight:</b>	1,3 kg/l at 20°C

### APPLICATION

				<b>T° (°C)</b>	<b>R.H. (%)</b>
<b>RPS 55</b>	25'-30'	1,5 h	≈ 5,0 mm/24h	23	50

### PROPERTIES OF PRODUCT AFTER CURE (23°C, 50% R.H.)

	<b>RPS 55</b>	<b>Units</b>	<b>Test method</b>
<b>Shore A Hardness</b>	55-60	min	DIN 53505
<b>Tensile strength</b>	2,0 ± 0,1	N/mm <sup>2</sup>	DIN 53504
<b>Elongation at break</b>	≥300	%	DIN 53504

## USAGE

Surface preparation: Surface must be clean, dry, free of water, oil, grease and rust before applying the sealant.

Application: The sealant can be easily applied between +5°C and +35°C by means of manual or pneumatic gun. However, the optimum operating temperature for both substrate and sealant is between 15°C and 25°C. Do not apply at temperatures below 5°C or above 40°C.

Cleaning: Use white spirit or another suitable thinner for cleaning uncured **RPS 55**. However, once cured, it can only be removed mechanically.

Over-painting: The sealant **RPS 55** in general can be over-painted. It is recommended to test the paint for compatibility by carrying out preliminary tests. Attention must be observed with the use of alcohol or alkyd-resin since they may interfere with the curing process of the sealant and as a result modify the drying time of the paint itself. The hardness and rigidity of the paint film may impair the elasticity of the sealant and lead to cracking of the paint film.

## SAFETY

Follow instructions of product label. For more information check the Safety Data Sheet. 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 +25°C. Protect especially from humidity.

## 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.