

# Parasilico PL

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## DESCRIPTION

**PARASILICO PL** is a non-toxic, solvent-free, low modulus, multipurpose, one component silicone sealant (RTV-1), based on an alcoxy curing system.

**PARASILICO PL** has a high resistance to ageing, low and high temperatures (- 50°C to +150°C).

## APPLICATIONS

**PARASILICO PL** has been specially formulated for the bonding and sealing of plastic substrates (except PE, PP or PTFE) and on most common building and industrial substrates, without the use of a primer.

**PARASILICO PL** has excellent performance and adhesion on both polycarbonate and polyacrylate materials providing it is used in accordance with the plastics manufactures recommendations.

**PARASILICO PL** may not be applied inside the sandwich panels. At 50°C the stress on the plates must not exceed more than 5 N/mm<sup>2</sup>.

## JOINT DIMENSIONS

Joint width	Joint depth	Allowed difference
3-4 mm	4-5 mm	± 1 mm
6 mm	6 mm	± 1 mm
8 mm	6 mm	± 1 mm
10 mm	6-8 mm	± 2 mm
15 mm	10 mm	± 2 mm
20 mm	10-12 mm	± 2 mm
25 mm	15 mm	± 3 mm

## PROCESSING TEMPERATURE

Between +5°C and +40°C.

## PREPARATION

All surfaces should be dry, clean and free from dust or grease. When necessary, degrease with **Parasilico Cleaner**, MEK, alcohol or ethanol. If necessary, use a primer. It is recommended that adhesion tests be carried out to determine the suitability of the product for its application. Röhm GmbH have carried out suitability tests on their materials and copies of this report are available on request.

## PRIMERS

		Colour	Curing time (approx.)
Porous substrates	<b>DL 783</b>	transparent	60 min.
Non porous substrates	<b>Primer DL 435.10</b>	transparent	30 min.

## TOOLING

When needed with **DL100** or tools.

## CLEANING

### Before curing:

- a) tools: with white spirit or solvent
- b) surfaces: with **Parasilico Cleaner**

### After curing:

Remove as much as possible mechanically; the remainder of the silicone with **Silicone Remover**.

## REPAIRING

With the same product.

## COLOURS

Transparent. Other colours are available on request (75 cartridges or multiples).

## SHELF LIFE

Min. 9 months if kept in the original packing and stored in cool and dry conditions between +5°C and +25°C.

## PACKING

25 cartridges of 310 ml /box - 48 boxes / pallet  
25 sausages of 400 ml/ box - 48 boxes / pallet  
20 sausages of 600 ml /box - 45 boxes / pallet

## LIMITATIONS

Use in well ventilated rooms. Do not expose to thermal, mechanical or chemical influence before complete curing. Good ventilation is important during application and curing of the product.

- On natural stone: **Parasilico NS** is recommended.
- On mirrors: **Miroseal** is ideal.
- Structural glazing: Please consult our technical service department.
- For painting sealant surface: Refer to **Parasilico VP**
- For sanitary applications: **Parasilico Sanitary -N** is to be used.

## METHOD OF USE

With a gun (manual or pneumatic). The shape of the joint is important. Avoid thin layers.

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## SAFETY

The application should take place in well-ventilated rooms, so that cross linker vapours can escape. These cross linker vapours may not be inhaled during long periods of time or in high concentrations. Avoid prolonged contact with skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Avoid contact with food, as long s the sealant is uncured. Refer to our safety data sheet.

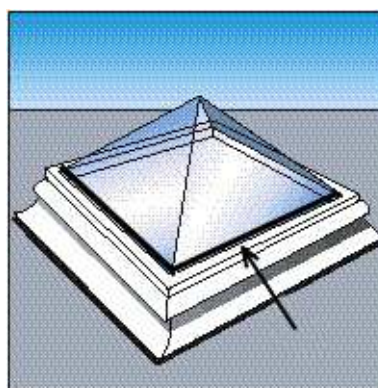
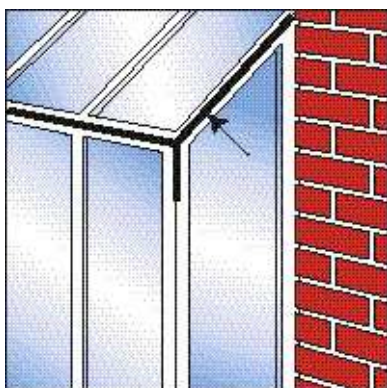
## TECHNICAL CHARACTERISTICS

### Uncured sealant

Type of sealant	Polysiloxanes
Curing system	Through moisture in the air
Skin forming time (23°C en 50% R.H.)	20 min
Curing rate (23°C en 50% R.H.)	1 mm / 24 hrs
Density (ISO 1183)	1.03 g/ml

### Cured sealant

Shore A hardness (ISO 868)	25
Elastic recovery (ISO 7389)	> 90 %
Deformation capability	25 %
Modulus at 100% elongation (ISO 8340)	0.52 N/mm <sup>2</sup>
% elongation at break (ISO 8339)	140 %
Temperature resistance	-60°C / + 150°C



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The data on this sheet have been compiled according to the last laboratory report. Technical characteristics can be changed or adapted. We are not responsible for any incomplete information. Before usage, one needs to ensure that the product is suitable for his application. Therefore, tests are necessary. Our general conditions apply.