

BUILDER PU LM

Revision: 01/04/2024

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Technical Data

Basis	Polyurethane Consistency
Consistency	Stable paste
Curing System	Moisture curing
Density (g/ml)	1.20 ± 0.06
Skin formation time (23°C/50% R.H.) (min)*	20-40
Curing Rate * (23°C/50% R.H.) (mm/24 hours)	2-3
Slump (mm)	<1.5
Hardness, Shore A, Points** (ISO 867)	40 ± 5
Tensile Strength**, (N/mm ²) (ISO 37)	>1.8
Elongation at break** (%) (ISO 37)	>600
Temperature Resistance (°C)**	-30 → 90
Application temperature (°C)	5 → 35

*These values may vary depending on environmental factors such as temperature, moisture and the type of substrate.

**This information relates to fully cured products.

Description:

Builders PU LM is a high quality, elastic, one-component sealant based on polyurethane.

Properties:

- Very easy to apply
- Permanently elastic after curing
- Very good adhesion on many materials
- Excellent resistance to UV radiation
- Excellent resistance to many chemicals

Applications:

- Expansion joints in buildings with high movement, highways, and water conservancy projects.
- Bonding and joint sealing for precast panels, wood, aluminum, and PVC joinery seams, curtain walls.
- Concrete roof tiles in construction areas.
- Connection joints between window and door frames and walls.
- Expansion joints for other traditional construction materials.

Packaging:

Colour: Grey, other colours on request
Packaging: 600ml sausage

Shelf life and storage:

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C & +25°C.

Health and Safety Recommendation:

Take the usual labour hygiene into account.
Consult the packaging label for more information.

Joint Dimensions:

Min. width for joints: 5mm

Max. width for joints: 30mm

Min. depth for joints: 5mm

Recommendation sealing jobs: joint width = 2x joint depth

Substrates:

Substrates: All usual building substrates, brick, concrete, metals.

Nature: Rigid, clean, dry, free of dust and grease.

Surface preparation: Apply primer on porous substrates. Always use primer on natural stone, no primer on non-porous substrates.

We recommend a preliminary adhesion test on every surface.

Remark: The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.

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Application Method:

Application method: With manual or pneumatic caulking gun.

Cleaning: Clean with surface cleaner immediately after use (before curing).

Finishing: With a soapy solution before skinning.

Repair: With the same material.

Remarks:

- When painted with oxidative drying paints, disturbances in the drying of the paint may occur (we recommend to do a compatibility test before application).
- It is recommended to do a compatibility test prior to application.
- Contact with bitumen, tar, or other plasticizer-releasing materials such as EPDM, neoprene, butyl, etc. is to be avoided since it can give rise to discoloration and loss of adhesion.
- Do not apply or cure in the presence of uncured silicone sealants, alcohol, or other solvent cleaners.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.

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