

MARBOPUR 30

Sealant (polyurethane) for elastic movement joints in garden and landscape construction.

Application areas:



For sealing floor joints between structures that can be walked on or driven over, e.g. garages, parking lots, paved areas, factory buildings, tunnels or sewage and wastewater treatment plants.

For elastic movement joints in gardening and landscaping.

- For joint widths from 10 mm
- For indoors and outdoors

Properties:

- 1-component
- Ready for use
- Elastic after hardening
- Hardened through air humidity
- High notch strength
- High tear growth resistance
- Total deformation of 25%
- Good resistance to chemical and mechanical stress
- To be processed with flow gun
- High adhesion to many materials, especially in combination with adhesives

Material basis:

1- Component polyurethane sealant

Technical data:

Color	grey
Consistency	paste-like, firm
Density	ca. 1,3 g/cm ³
Processing temperature	+ 5°C to + 30°C
Component temperature	+ 5°C to + 40°C
Processing time	maximum 45 minutes
Temperature resistance	- 40°C to + 100°C
Hardening time (temperature-dependent, lengthens with decreasing temperatures)	2-3 mm / 24 hours, at maximum width and 20 °C 14 days
Skin formation time	ca. 60 – 90 minutes
Shore-A-hardness	ca. 35
Elongation-tension value for 100 % elongation	ca.0,6 MPa
Tensile strength (DIN 53504)	ca. 8 N/mm ²
Total permissible deformation	25 %
Overpaintability	no

Substrate preparation:

The contact surfaces must be solid, clean, dry and free of grease.
(see IVD data sheet 6).

The joint widths must be adapted to the expected movements (see total permissible deformation).

Primer 44 serves as an adhesion promoter for the sealant on many absorbent and non-absorbent substrates, such as many natural stones, concrete and masonry, etc.

At 20°C, a waiting time of at least 30 minutes must be observed for the primer to flash off before the sealant can be applied. The working time of the primer at 20°C is maximum 2 hours.

Subsequently, the sealant should be professionally applied within a maximum period of 4 hours.

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Substrate preparation:	Also for priming, the component temperature should be between 5°C and 40°C.
Working:	<p>Ready for use and immediately applicable.</p> <p>The expansion joint is filled to 5 mm below the upper edge of the paving or concrete surface so that the tires of vehicles driving over it cannot come into contact with the joint material.</p> <p>The joint design is based on the technical regulations.</p> <p>The joint widths must be between 10 and 40 mm, joint depth in relation to joint width 1:1 to 0.8:1, adjusted to the expected movements (see permissible total deformation).</p> <p>Three-surface adhesion of the backfill material (non-water absorbent foam round profiles (PE)) must be avoided in any case.</p> <p>The material is worked into the prepared joint using a suitable gun.</p> <p>The surface is then smoothed with an appropriate tool (e.g. smoothing trowel), pressing the joint compound against the bonding surfaces and the backfill material.</p>
Post-treatment:	<p>After joint filling, protect against direct sunlight, drying out too quickly and driving rain.</p> <p>Allow pollution of the stone/concrete surface to dry and later peel it off the polluted surface.</p>
Cleaning:	<p>All equipment and vessels must be clean and dry.</p> <p>After use, before hardening, they can be cleaned with an organic solvent.</p>
Material consumption:	<ul style="list-style-type: none"> • 1 l/l Joint volume
Packaging:	<ul style="list-style-type: none"> • 600 ml tubular bag
Storage:	<ul style="list-style-type: none"> • Cool and dry • Sealed tubular bag can be stored for at least 15 months
Waste management:	Empty tubular bag completely. Disposal: Green Dot or dual system waste code unvulcanized 55907, vulcanized commercial/household waste, emptied cartridges 57127.
Safety note:	<ul style="list-style-type: none"> • Ensure good ventilation during processing. • Keep out of the reach of children. • Additional information: see safety data sheet.
Note:	<ul style="list-style-type: none"> • The technical data refer to +20 °C and 50 % relative humidity. Lower temperatures extend, higher temperatures shorten the specified values. • For the work to be performed, the relevant recommendations, guidelines, standards and regulations as well as the generally recognized rules of technology must be observed. • Full loading is only advisable after full hardening is achieved. • Do not use sealant in swimming pool construction or for glass sealing. • When exposed to UV radiation or chemical stress, the color shade may change. The technical properties are not changed by this. • In cases of doubt, create trial areas.

During execution of work the relevant recommendations and guidelines, rules and standards, relevant technical instruction leaflets as well as the acknowledged rules of architecture and engineering have to be regarded. We do not have any influence on different weather/substrate and object conditions. Our written and spoken application/technological recommendations handed out to customers and craftsmen respectively are without obligation and do not constitute any contractual legal relationship and no lateral duty of a sales contract. All indications and recommendations of technical data sheets refer to standard purpose of use. With the publication of this technical instruction sheet, the previous ones lose their validity. This is a translation. Please refer in any case of misunderstanding the relevant German technical data sheet. Ed. 17.01.2022