Adhesives & Sealants

BONDFLEX 190LM

Technical Data Sheet

Reviewed: 06.06.2024

DESCRIPTION

BONDFLEX 190LM is a high quality, super elastic, one component, polyurethane sealant for waterproofing, sealing and filling joints in the building industry.

ADVANTAGES

- Highly elastic
- High UV protection
- Excellent adhesion
- Rapid polymerization
- Excellent resistance against all atmospheric conditions
- Can be painted

APPLICATIONS

- Sealing of floor joints and connection joints in building constructions
- All usual building joints with medium to high movement (min. width: 4 mm)
- All sealing and bonding applications in building and metal industries
- Connection joints between window - doorframes and walls
- Sealing joints of bituminous waterproofing membranes

INSTRUCTIONS FOR USE

1. Surfaces must be clean, free of dust and grease
2. In very warm and moist climates we recommend the use of **PRIMER PU 900** for applications on porous surfaces
3. Use caulking gun
4. Repair with **BONDFLEX 190LM**
5. Finish with soapy water before skin formation
6. Cured material may be painted with most paints. When painted with oxidative drying paints disturbances in the drying of the paints may occur

A suitability test is recommended
Not recommended for applications on PVC & glass

JOINT SIZE

Minimum thickness: 5mm
Maximum Width:30mm
Minimum Depth: 5mm
Recommendation: 2 X depth = width

REMARKS

BONDFLEX 190LM is very elastic while most paints are not. Therefore the painted surface may crack in joints with movement. Because of the diversity of paints available a compatibility test is recommended before application. Not compatible with alkyd-based paints.
BONDFLEX 190LM must not be applied to frost-bearing surfaces or if temperature will fall below freezing.

CLEANING

Clean all equipment with white spirit immediately after use

TECHNICAL CHARACTERISTICS

Base: Polyurethane
Color: White, gray
Consistency: Paste
Curing System: Moisture Cure
Skin formation (20°C/ 65% R.H.): 90 min.
Curing Rate (20°C/ 65% R.H.): 2mm /24h
Hardness (DIN 53505): 25 ± 5 Shore A
Specific gravity (DIN 53479): 1,50 gr/ml
Temperature Resistance: -40°C to +90°C.
Elastic Recovery (ISO 7389): > 90%
Maximum allowed Distortion: 25%
Elasticity Modulus 100% (DIN 53504): 0,3 N/mm^2
Maximum Tension (DIN 53504): >1,00 N/mm^2
Elongation at Break (DIN 53504): > 550%
Application temperature: +5°C - +40°C

STORAGE

In a cool and dry place at temperatures between +5°C - +25^{0}C

SHELF LIFE

18 months in unopened packaging in the above-mentioned storage conditions

PACKAGING

Sausages 600ml white, gray

PACKAGING	CODE	BARCODE
600ml white	4240	5204094042402
600ml gray	4241	5204094042419

HEALTH AND SAFETY INFORMATION

Consult recent Safety Data Sheet before application.



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The directives contained in this technical data sheet are the result of our long experience from real life applications and the research testing of our research and development laboratory 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 beyond our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments. We are liable only for our products for being free from faults and of consistent quality. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. The present edition of this technical datasheet automatically cancels any previous ones concerning the same product.

TECHNICAL SUPPORT
210.5590460
MONDAY TO FRIDAY 8:00 - 16:00

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