

m+b Acryl

m+b Acryl is a painting compatible sealant based on acrylic dispersion. Suitable for slight movement joints in interior and exterior use and repair of wall cracks. Adheres to absorbent construction materials such as concrete, wood and masonry.

Product advantages

- Compatible with paints
- Simple processing
- Long processing time
- Free of solvents, isocyanates and silicones
- Odourless

Technical data

Chemical base	Acrylic dispersion
Mechanism of curing	Physically drying
Shore-A-hardness, DIN 53505	10
Modulus elongation at 100%, DIN 53504 S2 *	0.2 N/mm ²
Consistency	standfest in Fugen bis 20 mm Breite
Tooling time	15 - 30 min.
Density	1.60 ± 0.03 g/cm ³
Volume change, DIN EN ISO 10563	ca. 20%
Temperature resistance after curing	- 25 °C to + 80 °C
Application temperature	+ 5 °C to + 30 °C
Movement capability	10%

All measurements were performed under normal conditions (23 °C and 50 % relative humidity).

Application

Mechanically weakly stressed connection joints in the inner area. Repair of masonry cracks, holes etc.

Substrate range

Highly suitable materials are wood, concrete, plaster, abrasion, painted surfaces and metals. Not suitable for natural stone work, for use on deck strips of copper and window sealings. Not suitable for continuous moisture (showers, earth touching surfaces etc.).

Technical data sheet m+b Acryl

Substrate preparation

Perfect sealing work requires correct joint dimensions and pre-treatment of the surfaces. For dimensioning of building construction joints see DIN standard 18540 and SIA standard 274. For maximum adhesion strength a dry, clean, grease free and structurally proper surface is required. On smooth, non-absorbent substrates a pre-cleaning with rubbing alcohol or isopropyl is recommended. Porous surfaces may need to be grinded, free of dust and cleaned. During renovations the old sealant must be removed as much as possible. The chemical base of the old sealant must be clarified. We recommend to consult our application engineers. The compatibility with adjacent materials, coatings etc. must be determined in advance.

Adhesion promoter

With most materials a good adhesion is achieved even without adhesion promoter. On open porous materials the sealant can be applied as adhesion promoter with water in the ratio of 1:1 up to 1:5 on the joint edges.

Processing

- Prepare the joint according to the substrate preparation and pre-treatment description
- Observe and comply with the expiry date of all materials used
- Cut the nozzle tip according to the joint width
- Place container into suitable gun (manual, air, caulking gun)
- Apply the material bubble free into the joint
- The joint must be applied within the tooling time
- If necessary, pull off the joint with a spatula or wet sponge
- Protect against the influence of humidity until the formation of a surface skin
- Non-cured sealant can be removed with rubbing alcohol or isopropyl
- Cured sealant can only be removed mechanically

Paint compatibility

Während dem Aushärteprozess muss durch die Volumenänderung mit grösseren Fugenbewegungen gerechnet werden. Es muss sichergestellt werden, dass Anstrichmittel diese Bewegungen unbeschadet überstehen, oder die vollständige Aushärtung der Fuge muss abgewartet werden (dauert je nach Fugendimension und Umgebungsbedingungen bis zu 14 Tagen). Due to the diversity of varnishes and paints on the market, we recommend preliminary tests. If applied to painted or plastered substrates, a sufficient drying time of the paint / plaster must be kept (in general 10 days). After cleaning with acetone, joints can be varnished at any time.

Chemical resistance

- Good against water, aliphatic solvents, oils, grease, diluted inorganic acids and alkalis
- Moderate against esters, ketone and aromatics
- Not resistant against concentrated acids and chlorinated hydrocarbons

Colours

- white

Packaging

Cartridges of 310 ml in boxes of 12 units

Shelf life and storage conditions

- 15 months from date of production in original packaging
- Store cool and dry (10 - 25 °C)
- Protect from frost
- Further information on request

Work and environmental safety

Important information about work and environmental safety is available on the material safety data sheet.

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