Mycoflex Resyst Adhesive

Duromer adhesive for joint mouldings of the Mycoflex-Resyst-Systems

BE SURE. BUILD SURE.

PRODUCT PROPERTIES

- Ready-to-use two-component epoxy-based duromer resin
- High degree of chemical resistance
- Thixotropic, stable, trowelable
- Good adhesion to dry to medium-damp mineral surfaces and dry, open-pored polymer foams
- Fast strength development

AREAS OF APPLICATION

- Adhesive for mouldings of the Mycoflex Resyst system for bonding mouldings to joint flanks and for bonding moulding transversal joints
- Formulated for adhesive bonding applications involving high demands on chemical resistance and small gap dimensions
- REACH-assessed exposure scenarios: Water contact periodic, inhalation periodic, application exposure

APPLICATION ADVICE

Substrate Preparation: The surfaces to be bonded must be free of all loose material, dust, oil and other separating substances. Cement sludge at the surface should also be removed. Joint flanks should be diamond-cut with a wall chaser or similar joint cutting machine equipped with two diamond blades set in parallel at the required joint width. Chipped or otherwise irregular areas should be first reprofiled with a mineral or an epoxy resin mortar of sufficient strength. Ensure compliance with the operating instructions issued in respect of such products. The surface tensile strength values of the substrate must comply with relevant technical specifications and standards.

Mixing of the 1 kg ring pull cans: Mycoflex Resyst Adhesive is supplied in quantitatively matched containers. The base component (Comp. A) and the hardener component (Comp. B) must be mixed carefully using slow (200 - 400 rpm, e.g. cordless screwdriver with circular mixer) until the adhesive is homogeneously with each other until a uniform color (also in the edge areas of the mixing can) is obtained. To ensure optimum mixing of the material at the bottom of the can, it is advisable to repot the material in a clean container of suitable size in the meantime, followed by further mixing. Complete emptying of the individual containers is essential to maintain the mixing ratio and for ecological reasons.

Application Methods: First lay out the mouldings of the Mycoflex Resyst system at a dry location and adapt the lengths to the values required. Bevel-cut the mouldings at an angle of 60°. Attach the static mixer supplied to the cartridge, secure with the retaining cap nut and insert in the dispensing tool to extrude the adhesive. Adjust the operating pressure of the dispenser in accordance with the rate of extrusion required. If application should be interrupted for more than 10 minutes, replace the static mixer. Started cartridges can be sealed again with the original cap and re-used within a reasonably short time.
When using the 1 kg ring pull can, the adhesive can be applied directly to the profile flank with the Japan spatula or a brush. First apply the adhesive along the upper edges of both joint flanks and immediately press the mouldings into the joint to a depth of approximately 10 mm. Then apply the adhesive to the cut edges of the profiles and spread evenly using, for example, a Japan spatula. The joint moulding should be pressed into the joint so that it is flush with the joint's upper edge. Remove any surplus adhesive while still fresh. The bevel-cut transversal joints between the mouldings should be covered over their full bonding area with adhesive in the same way and then fitted in place with a degree of pressure applied in the longitudinal direction of the joint.

Equipment Cleaning: All tools and equipment can be cleaned during the application period using MC-Verdünnung EP thinner. Material that has already reacted or cured can only be removed by mechanical means.
Further Information: The amounts applied/consumed will depend on the joint geometry and type of substrate involved, which means the consumption rates indicated should be regarded as guide values only. Chemical attack and the affect of light may lead to colour changes but will have no affect on application suitability. Mycoflex Resyst adhesive is labelled in accordance with Germany's hazardous substances regulati-ons (Gefahrenstoffverordnung). When using the product, ensure compliance with the instructions indicated on the supply containers and in the safety data sheets.

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TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	parts by volume	2 : 1	comp. A : comp. B
Density	g/cm³	1.2	
Working time	minutes	approx. 20	
Consumption	ml/m	approx. 80 - 130	guide value for 45 mm joint depth
Consistency [1)]			thixotropic
Application conditions	°C	≥ 8 ≤ 30	air, substrate and material temperatures
	%	≤ 85	rel. humidity
	All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.		

1) Stable/firm up to 0.5 mm thick

Equipment cleaning agent	MC-Cleaner eco
Colour	transparent
Delivery form	400 ml double-chamber cartridge with a volumetric ratio of 2:1; eight cartridges per a box with ten static mixers included
Storage	Can be stored in original sealed packages at temperatures between 0°C and 20°C in dry conditions for at least 24 months.
Packaging disposal	Make sure single-use containers are completely empty.

Safety instructions
Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : RE90

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