

# Mycoflex Resyst Adhesive

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



## 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 regulations (Gefahrenstoffverordnung). When using the product, ensure compliance with the instructions indicated on the supply containers and in the safety data sheets.

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	parts by volume	2 : 1	comp. A : comp. B
Density	g/cm <sup>3</sup>	1.2	
Working time	minutes	approx. 20	
Consumption	g/m	approx. 100 - 150	guide value for 45 mm joint depth
Consistency		thixotropic	Stable/firm up to 0.5 mm thick
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.

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 : RE30

**Note:** The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2300018273]