Mycoflex 4100 TS

Fast-drying, special bonding coat for joint sealers on metallic and mineralic substrates

Product Properties

- Solvent-containing, two-component epoxy resin
- Low viscosity
- Fast curing and vapourisation; short overworking times

Areas of Application

- Primer on mineral based substrates for permanently elastic grouting of surfaces exposed to chemicals and fuel
- Sealing of joints on and around gas stations
- Sealing of joints in driven-on areas
- Bonding of reactive polymers to construction parts made of steel, stainless steel, galvanised steel, brass and copper

Application

Joint-Sealing
Joint-design in compliance with DIN 18540. For floor-joints please also refer to the IVD-data sheet No. 1 “Sealing of floor-joints with elastic joint sealing compounds” and data-sheet No. 6 “Sealing of floor-joints with elastic sealers in driven-on areas around petrol pumps at gas stations”.

Before Mycoflex 4100 TS can be applied the joint-sides have to be dry (residual moisture < 4 %), load bearing, free from all contaminants (e.g. oils, greases, production residues, etc.), as well as free from dust and cement laitance.

The priming of the joint-sides is done with Mycoflex 4100 TS. Base and hardener must be mixed thoroughly until the mixture is homogeneous and streak-free.

The primer must penetrate the joint-sides completely and over the entire area.

The interval between priming and application of Mycoflex 4000 VE or Mycoflex 4000 SP should be at least 1 hour and no more than 10 hours at 20 °C.

Bonding Coat
Mycoflex 4100 TS is used as bonding coat when applying reactive polymers onto steel, stainless steel, copper as well as to non-absorbent, ceramic substrates. The substrate must be dry (< 4 %), free from dust, oil and other contaminants. Steel is freed from rust films and other separating substances by blasting (standard Sa 2 ½ according to DIN 55928, part 1). Stainless steel and galvanised steel should be abraded or roughened with fine sandpaper. After this, the area must be cleaned with MC-Duroprop B. Following to the cleaning, the steel must be neutralized with fresh water. The same pre-treatment should be given to copper and ceramic substrates.

Mycoflex 4100 TS is rolled or brushed as thinly as possible onto the roughened area. After ventilation the reactive polymer is applied. The interval should be at least one hour and no more than 10 hours. If this interval is exceeded, the substrate must be primed again.

General Information
We recommend to lay a sample area in order to determine the object-specific coverage. Please take note of safety information and advice given on the packaging labels.

Further safety advice for application can be found in our leaflet “General Application Advice”.

MC-Bauchemie • Am Kruppwald 1-8 • 46238 Bottrop • Tel. +49 (0) 2041-101 10 • Fax: +49 (0) 2041-101 188
info@mc-bauchemie.de • www.mc-bauchemie.de

Technical Data for Mycoflex 4100 TS

Characteristic	Unit	Value	Comments
Mixing ratio	p. b. w.	3 : 1	base : hardener
Density	g/cm³	0.95	-
Application time	hours	approx. 4	
Ventilation time	hours	1 - 10	
Coverage	g/m²	approx. 80 - 120	
Application conditions	°C % K	≥ 5 - ≤ 30 85 3	air, material and substrate temperature relative humidity above dawpoint

Product Characteristics for Mycoflex 4100 TS

Colour	transparent
Delivery	1 kg cans
Storage	Can be stored in cool (below 20 °C) and dry conditions for approx. one year in original unopened packs. Protect from frost!
Disposal	Packs must be emptied completely.
EU-regulation 2004/42 (Decopaint standard)	RL2004/42/EG AII/h (750 g/l) < 660 g/l VOC

Safety Advice
Please take notice of the safety information and advice given on the packaging labels and safety information sheets and please take notice of the chapter ”Safety Measures for Handling Coating Materials and Reactive Resins”. GISCODE: RE3

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