Mycoflex 250

Two-component, polyurethane-based joint sealant

Product Properties

- Good chemical resistance (see table of resistances), especially against oil and fuel
- Mycoflex 250 SP = stable, applicable by spreading and spraying, total elastic deformation: 15 %
- Mycoflex 250 VE = pourable, self-levelling, total elastic deformation: 10 %
- Suitable for use on concrete, plaster, bricks, wood, epoxy- and polyurethane coatings

Areas of Application

- Elastic sealing of joints in building construction civil engineering, pre-cast construction and assembly-construction
- Connecting- and movement-joints in sewers and drinking water storing structures
- Floor joints in industrial buildings, workshops and multi-storey parking
- Connecting- and movement-joints on balconies and terraces

Application

Constructional Prerequisites
Joint-design and dimension 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”.

Before the primer 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 permitted total deformation and the prospective mechanical loading must be considered by the design of the joint width.

Primer and Backfilling
The priming of joint-sides in exposed areas is done with Mycoflex 251. The primer must penetrate the joint-sides completely and over the entire surface. It is advisable to mask the joints and to remove the masking tape right after smoothing.

The closed-cell polyethene round-profile Mycoflex-Jointfiller PE is inserted as backfiller. The joint depth must be limited to approx. 50 % of the width, however, it must be at least 10 mm (see DIN 18560). If a backfiller cannot be inserted, a three-side-adhesion must be prevented, e.g. by inserting a polyethene-strip.
The interval between priming and application of Mycoflex 250 VE/SP should be at least 1 hour and not more than 6 hours at 20 °C.

Mixing
The base- and hardener-component must be mixed together thoroughly and homogeneously. Only mechanical mixing with an electric hand-drill (200 - 400 rpm) and an attached special mixer is permitted. To avoid mixing mistakes we advise re-potting.

Application
Mycoflex 250 VE is casted directly from the original packaging or from casting cups. Mycoflex 250 SP can be applied with spatulas, joint trowels, hand- or pneumatic-guns. If applied by pneumatic gun, a working pressure of 4 - 6 bar is required. The sealing compound must be applied void- and bubble-free. The pot life (at 23 °C and 50 % rel. humidity) for Mycoflex 250 SP is approx. 70 - 80 minutes; for Mycoflex 250 VE it’s approx. 50 - 60 minutes. Material which is already curing must not be used anymore. Smoothing may only be done with non-film-forming smoothing agents.

Safety Advice
When applying the primer Mycoflex 251, as well as Mycoflex 250 VE/SP, please take note of safety information and advice given on the packaging labels.

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 250

Characteristic	Unit	Value	Comments
Mixing ratio SP (VE)	p. b. w.	100 : 8.5 (7 : 1)	base : hardener
Density SP (VE)	g/cm^3	approx. 1.5 (1.5)	-
Consistency SP (VE)		stable, applicable by spraying and spreading (pourable, self-levelling)	at 23 °C and 50 % relative humidity
Application time SP (VE)	minutes	70 - 80 (50 - 60)	at 23 °C and 50 % relative humidity
Curing time	hours days days	24 3 7	trafficable mechanically loadable fully chemical-resistant
Consistency after curing		elastic	
Shore-A-hardness SP (VE)		approx. 30 (40)	
Maximum total deformation SP (VE)	%	15 (10)	
Application conditions	°C %	≥ 5; ≤ 40 ≤ 85	air, material and substrate temperature relative humidity

Product Characteristics for Mycoflex 250

Colour	grey
Delivery	SP: Box à 4 x 2.5 l packs; VE: 3.3 l and 6.6 l packs
Primer	Mycoflex 251 (Box à 3 x 1 l) One-component, polyurethane-based reactive polymer for porous, absorbent, as well as smooth, non-absorbent substrates. Not suitable for use on asphalt.
Storage	Can be stored in cool (below 20 °C) and dry conditions for approx. six months in original unopened packs. Protect from frost!
Disposal	Packs must be emptied completely.

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: PU40

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