



Mycoflex 210 LM

Single Component, Hybrid Polyurethane Based Joint sealant

Product Properties

- **Mycoflex 210 LM** is a single component Hybrid Polyurethane based elastomeric sealant
- It can cure under atmospheric humidity
- Solvent free, Silicon and Isocyanate free and non-staining
- Primeless application and good bond strength
- Good weathering and UV resistance
- Single component hence it is very easy to apply
- It is available in choice of colors
- Low dirt pick up
- Good in Tear resistance
- Confirms to ASTM C920 Type S Grade NS class 2

Areas of Application

- **Mycoflex 210 LM** can be recommended for Building Construction segment
- **Mycoflex 210 LM** can be recommended for bonding with wood, concrete, glass, terra cotta, stone, tiles, etc
- It also suitable for bonding with different type of Plastics like PVC, ABS, PMMA etc

Application Notes

Joint Preparation

The substrate for the application of **Mycoflex 210 LM** should be free from any unsound substances, oil, dust, grease, vegetations etc. All the old sealants if any should be removed completely. Cleaning should be done by any mechanical mean to achieve a sound surface. If the surface is porous then it should be brushed with mechanical brush so that all the impurity will be removed for better adhesion. The joint width should be kept uniform throughout the section. Before application of the **Mycoflex 210 LM** the joint the residual moisture should be less than 4%.

Joint Filler

For Joint Filling Backer Rod can be recommended as per joint width and depth. While filling the Backer rod into the joint's chare should be taken that the backer rod should be packed tightly in the joint so that it can provide suitable non-movement able cushion for the sealant throughout the joint. During choosing of the bond backer care should be taken so that it will not bond with the sealant. If there is any chance that the backer rod can be bonded with PU sealant then in that condition Bond breaker can be recommended before application of sealant. For better result **Mycoflex Jointfiller PE** can be recommended. The joint depth must be limited to approx. 50% of the width, however it must be at least 10 mm as per DIN 18540.

Priming

Normally **Mycoflex 210 LM** does not require any primer because it provides better adhesion with almost all type of building materials recommended for Building constructions. However, if the surface is porous then **Mycoprime 210 LM** Primer can be recommended for any non-porous or any mechanical surfaces. During application primer care should be taken that it should not be exposed more than 6 hrs. depending on ambient and surface temperature. Application of sealant should be done after one hour but not more than 4 hours after the application of the primer.

Application

Mycoflex 210 LM is available in ready to use single component sausage. Then load the Sausage in to pneumatic sealant gun. Then suitable nozzle will be fixed for easy application in the joints. During application through pneumatic Sealant gun the working pressure should be 4 – 6 bar and the application should be void and bubble free. Then after application of **Mycoflex 210 LM** the sealant can be leveled or smoothen by help of sealant leveling tool. Once the sausage protection has been opened for application, the entire sausage should be completely in a single go. Otherwise, sealant will be cured with in 24 hrs inside the sausage only. Application of **Mycoflex 210 LM** should stopped immediately if the Surface and ambient temperature will go below +5° C

Notice

Application of **Mycoflex 210 LM** should be done if the temperature in between +5° C to +40° C. During the curing period of the sealant avoid any contamination of Dust, Alcohols, ammonia or any foreign materials. Application of sealant should be avoided in bituminous surfaces or any oil contaminated surfaces. Recommendation of **Mycoflex 210 LM** should be avoided for the areas containing permanent waterbodies.

Mycoflex 210 LM should not be recommended for the Expansion joints subjected to below mentioned conditions.

- Joint subjected to continuous exposure to chlorinated water, sea water etc.
- Joints Subjected to PP, PE, Teflon, Neoprene, Bituminous or any Glazing, glass surface.

Mycoflex 210 LM is safe from any fire hazard as per ASTM E84

For any specific critical application and further technical Specification, please take help of Technical team of MC-Bauchemie India for the further advice.



Technical Data for Mycoflex 210 LM

Characteristic	Unit	Value	Comments
Density		1,40 ± 0,05	At 20° C Temperature
Application Temp	° C	+5 to +40	
Skin Formation Time	min	25 to 40	At 23° C and 50% RH
Tack Free Time	min	15 - 30	
Cure Time	mm/24hour	>2	At 23° C and 50% RH
Shore A Hardness		25	Internal Method IT-20 after ISO 868 – 3 sec
Elongation at Break	%	600	ISO 8331
Temperature resistance	° C	-30° to +100°	
MAF	%	25	ASTM C 719 & ISO 9047
UV resistance		Good	
Tensile strength	Mpa	1	
Coverage*	m/600ml	16	For joint size 6mm X 6mm
		6	For joint size 10mm X 10mm
		1.5	For joint size 20mm X 20mm

*The coverage is approximately in linear meter for one pack size (600ml)

Formula: $L = 600 / (W \times D)$ where W= width of joint in mm, D= depth of joint in mm, and L= Length of joint in meter.

Product Characteristics for Mycoflex 210 LM

Type of Product	Non-Sag Smooth Thixotropic Paste
Color	Available in Choice of colours
Shelf Life	12 Months from date of Manufacture if stored in Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost, Storage Temp should be +5° C to +25° C
Delivery	600 ml sausages
Disposal	Empty packs completely and dispose off carefully to protect our Environment

Safety Advice

Please Take notice of the safety information and advice given on the packaging labels, safety information sheets and General Application Advice.

Note: - The information on this Data Sheet is based on our experiences and correct to the best of our knowledge. It is However, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our Data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are binding if given in written form. The accepted engineering rules must be observed at all times.

Edition: - MC/IND/R0/NOV2020, Some Technical Changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.