



Mycoflex 210

Single Component, Polyurethane Based Joint sealant

Product Properties

- **Mycoflex 210** is a single component Polyurethane based elastomeric sealant
- It can cure under atmospheric humidity
- 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
- Highly elastic
- Good in Tear resistance
- Confirms to ISO 11600 Type F class 25 LM
- Confirms to ASTM C920 Type S Grade NS class 25
- CE Marking Class 25 LM

Areas of Application

- **Mycoflex 210** can be recommended for Building Construction segment
- **Mycoflex 210** 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** 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 through out the section. Before application of the **Mycoflex 210** 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** 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** Primer can be recommended as a primer. **Mycoprime 4000PS** 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 that 4 hours after the application of the primer.

Application

Mycoflex 210 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** 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** should stopped immediately if the Surface and ambient temperature will go below +5° C

Notice

Application of **Mycoflex 210** should be done if the temperature in between +5° C to +33° 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** should be avoided for the areas containing permanent waterbodies.

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

| Characteristic | Unit | Value* | Comments |
|------------------------|-----------|--------------------------------------|---------------------------------------------|
| Density | | 1,15 ± 0,02 | At 20° C Temperature |
| Sagging | mm | 3 | As per ISO 7390 |
| Application Temp | ° C | +5 to +35 | |
| Skin Formation Time | hour | 5 to 10 | At 23° C and 50% RH |
| Cure Time | mm/24hour | >2 | At 23° C and 50% RH |
| Shore A Hardness | | 25 | Internal Method IT-20 after ISO 868 – 3 sec |
| Modulus at 100% | Mpa | 0.4 | ISO 8331 |
| Elongation at Break | % | 400 | ISO 8331 |
| Temperature resistance | ° C | -40 ⁰ to +80 ⁰ | |
| MAF | % | 25 | ASTM C 719 & ISO 9047 |
| UV resistance | | Good | |
| Tear Resistance | Mpa | 6 | ISO 34 |

Product Characteristics for Mycoflex 210

| | |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type of Product | Thixotropic |
| 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/190612, 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.