

# EMCEPREN 200

Insulated Glass Sealant Based on Polyurethane. 100 % Mercury free

## Product Properties and Applications

- Mercury free polyurethane with identical application properties to standard polyurethane sealants.
- Solvent free 2 component polyurethane sealant for all types of insulated glass sealant.
- Primerless adhesion to glass and spacer bars.
- Special rheological properties ensure excellent workability on sealing robots and hand gunning machines.
- When used on coated glass, surface treated spacer bars or special materials suitability tests must be conducted.

## Application Notes

### Safety Advice

- Prior to application the safety data sheet must be read, to become familiar with and all instructions must be adhered to.
- The hazardous B-component of EMCEPREN 200 reacts with moisture. The packaging must be kept closed and should only be opened prior to application. The machinery and application parts must be moisture tight to avoid crystallisation of the B-component.
- When installing the sealed units only sealants which are free of solvents can be used. If these are in direct contact with the outer seal the compatibility must be checked. This also applies to paint and varnish coatings and all other materials which may be in contact with the outer seal.

### Application

- Surfaces must be clean, dry and free of grease and oils.
- The optimal application temperature is between +15°C and + 30°C. At temperatures below +15 °C the recommendations of the machine manufacturer must be observed.
- If not used continuously the pot life must be monitored. It must be considered that the actual pot life depends on temperature, mixing method and other technical conditions.
- At the end of the potlife the material will cure rapidly. It is strongly recommended to clean early all machine parts which are in contact with the sealant with either A component or suitable cleaner for longer breaks during production, shift end, weekend etc. For short production breaks the mixing pipe can be flushed with mixed sealant before end of pot life. In this case, flushing of mixing pipe has to be repeated every time again before end of pot life. The instructions given by the machine manufacturers for pot-life and warning signals indicating end of pot life must be strictly observed.
- To delay the curing of mixed sealant a freezer unit may be used. The minimum temperature must be -30°C. The frozen mix should be used within 18 hours.

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## Technical Properties

	A – Component	B – Component
Density	Approx. 1,74 g/cm <sup>3</sup>	Approx. 1,22 g/cm <sup>3</sup>
Colour	Cream White	Black
Odour	Odourless	Odourless
Consistency	<ul style="list-style-type: none"><li>Pasty</li></ul>	<ul style="list-style-type: none"><li>Pasty</li><li>Liquid</li></ul>
Mixing Ratio	100	10
<ul style="list-style-type: none"><li>By volume</li><li>By weight</li><li>Permissible tolerance by weight</li></ul>	100	7,0 6,3 – 7,7
Potlife at 23°C / 50% DIN 50014	30 - 50 Minutes	
Tackfree at 23°C / 50% DIN 50014	50 - 70 Minutes	
Shore A according to DIN 53505, after 3 hours, average values, at 23°C / 50% DIN 50014	Approx. 25	
Shore A according to DIN 53505 after 24 hours, average values, at 23°C / 50% DIN 50014	> 45	
Safety Notice	See safety data sheet	

## Product Details

Packaging	220 Litre Barrels
Storage	In original packaging at room temperature A – Component                      B – Component 12 Months                              12 Months
Frost Damage	None. Prior to application the temperature of the material must be increased to the recommended application temperature. It is not possible to heat up cold material using the follower plate heater only.
Recommended Storage Temperatures	+15°C - +30°C. Protect from direct sunlight or heat sources. Short term storage at up to -20°C does not negatively affect the material, but it is necessary to bring up the temperature of the A + B component to the recommended temperature which could take days or weeks depending on circumstances.

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**Please observe:**

The information given on this data sheet is based on our experience, careful laboratory tests and to the best of our knowledge. It is however non-binding. Due to the many varied types of application, local conditions and manufacturing processes, we do not accept any liability, also with regard to the protected rights of third parties.

Our data refers to the accepted rules and norms which have to be observed during application. This provided we are liable within the scope of our terms and conditions of sale, delivery and service.

Recommendations of our employees which differ from the data contained in this sheet are only binding if confirmed in writing. We recommend verifying the suitability of the product through suitable test. Our terms and conditions apply.

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This technical data sheet replaces all previous editions.

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