

Product Description :

MSKseal S50 is one-part, neutral-curing silicone sealant with excellent adhesion, weather resistance and long life for weather sealing.

Properties

MSKseal S50 cures at room temperature under the action of atmospheric moisture to give a permanently flexible rubber.

Special features

- Non-sag.
- Excellent weatherability.
- Flexible at low (-40°C) and high temperatures ($+150^{\circ}\text{C}$).
- Primerless adhesion to most materials.
- Excellent tooling characteristics for professional use.
- Non corrosive to metals.
- Abrasion-resistant.
- Suitable for alkaline substrates such as concrete, mortar, fibrous cement.

Application

MSKseal S50 is a sealant designed for sealing of exterior sealing with excellent weatherability, gunability and durability.

MSKseal S50 is also suitable for internal sealing, like e.g. clean room joints, curtain wall joints or sealing of aluminum panels.

MSKseal S50 is suitable to use on alkaline substrates such as concrete and mortar. The sealant can be applied by either hand or machine to seal expansion joints and connecting joints in a wide variety of materials such as aluminium, glass, coated glass, ceramic tiles, enamel, steel and many plastics.

Processing

MSKseal S50 is supplied as past-like, one component, ready to-use material. It may be gunned at temperature ranging $+5^{\circ}\text{C}$ to $+45^{\circ}\text{C}$ and thus can be used in any climate. Joint design and dimension

Windows glazing regulations are given in DIN 18 545. In the construction field, the minimum joint width is 10 mm so as to allow proper application tooling of the sealant. The sealant bead should be no thicker than 15 mm and the ideal ratio of joint width to depth is 2:1 (see Fig. 1),

In any case the minimum joint width must be four times the expected movement. For deep joints, it is best to use polyether or polyurethane foam backing material (backer rod) (see Fig. 1).

If joints are too shallow for backing material to be employed, we recommend using polyethylene tape (see Fig. 2). This acts as release film (bond breaker), allowing the joints to move and the silicone to stretch freely.

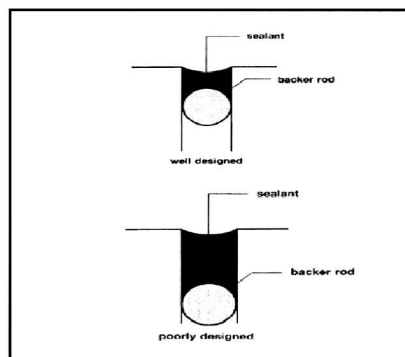


Fig. 1

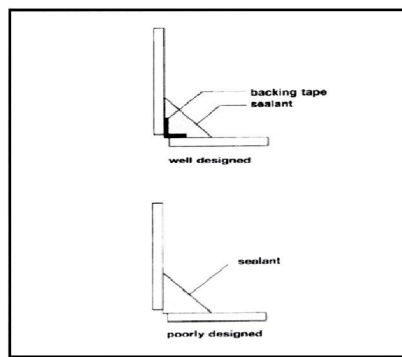
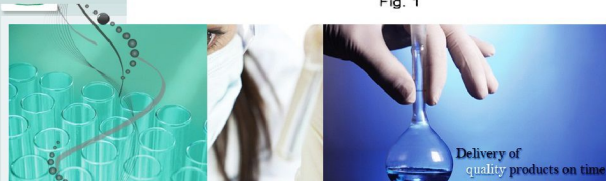


Fig. 2



Product Description :

MSKseal S50 should only be applied to surfaces which are clean , dry, free of all loose materials, dirt, rust, or oil and other contaminates.

Storage :

Store in a cool (below 25 °C) and dry place.

The best use before end date of each batch is shown on the product label.

Packaging :

600 ml sausage

300 ml sausage

Product data

Typical general characteristics	Inspection Method	Value
Product data (uncured)		
Density	ISO 1183-1A	approx 1.38
Extrusion rate at 23 °C		approx.. 250 ml/min
Skin forming time at 23 °C / 50% r.h.		approx. 10 min
Cure rate at at 23 °C / 50% r.h.		approx. 2mm/day

Product data (cured) After 4 weeks of application

Elongatio at break	ASTM D 412	approx. 590 %
Modulus at 100% elongation	KS F 2621 , 4-3	0.48 N/mm ²
Hardness	ASTM D 2240	approx. 25 shore A
Movment capability		+/- 50

Th data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter the product constants within the scope of technical progress or new developments. The recommendations made in the leaflet should be checkedby preliminary trials because of conditions during processing over which we have no control , especially where other compa-nies raw materials are also being used . The recommendations do not absolve the user from the obligation of investigat-ing the possibility of infringement of third parties right and if necessary , clarify the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for particular purpose.

MSK for industrial chemicals.

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