

Blockseal®

Glazing sealant for heel beads and laminated safety glass

Factsheet: Blockseal 2209EN

Blockseal is a neutral RTV silicone sealant, suitable for a wide range of glazing applications, especially due to the compatibility with inner primary butyl sealants of IG units and PVB interlayers of laminated safety glass.*



Applications

- As heel bead at the base of a channel, when installing insulating glass and laminated safety glass
- For burglary resistant glazing
- For full bed bonding when installing glass
- For bonding of setting blocks

Adhesion and substrates

- Direct adhesion to most building materials such as aluminum, glass, glazed tiles, polyester, polystyrene, PVC, brass, steel and treated wood
- For adhesion on alkaline surfaces, such as masonry and concrete primer P83 is recommended
- Substrates as PE, PP, PTFE and bitumen are not suitable
- We recommend using Silicon FGS-25 for polyacrylate and polycarbonate
- Consult our primer list in case of doubt and unknown surfaces or carry out your own adhesion test.

Specifications

- ISO11600G, Classification glazing sealants
- NPR3577, Dutch Glazing Directives
- CE-Marking, EN15651-1: F Ext-Int
- CE-Marking, EN15651-2: G (System 3+3)
- French & Belgian VOC Regulation, Leed by Eurofins

Joint dimensions

Please consult national glazing guidelines and/or Dutch Glazing directives NPR3577. We recommend a minimum sealant bead size of 4x6mm up to 5x5mm. For connection joints we recommend a minimum joint size of 10x10mm applied on a polyurethane or polyethylene backing foam rod.

Technical data at 20°C and 60%RV

Handling temperature:	+ 5°C to +30°C
Resistance to temperatures:	-40 °C to +120°C
Tooling time:	25 min.
Curing time / 24 hrs.:	2,0 mm
Hardness, DIN 53505:	Ca. 20° Shore-A
Tensile strength, ISO8340:	0,62 N/mm2
E-modulus 100%, DIN53504:	0,77 N/mm2
Consistency, ISO 7390:	Non sag
Volume change, ISO 510563:	4%
Elongation at brake, ISO 37:	260%
Movement capability ISO11600:	25%

Standard colors

White and grey

Processing advice

Check whether all substrates have been pre-treated in accordance to the instructions and are free of moisture, dirt and dust. Degrease substrates if necessary with BS-Cleaner and a clean cloth, then do not touch again. Rain or foggy weather are not suitable for glazing with sealant.

Handling

Extrude with a standard caulking gun or air-gun. Finish joints with a solution of BS Joint finisher in water and use a sharp putty knife or rubber spatula for tooling. Fresh stains and tools are to be cleaned with Bloem MultiCleaner or PowerScrubs fiber reinforced cleaning wipes. Cured sealant can only be removed mechanically. Hands can be cleaned best with Bloem PowerScrub wipes.

Limitations

- Before complete vulcanisation, the sealant is not to be exposed to any mechanical, thermal or chemical influence.
- Not suitable for applications with permanent water load.
- We recommend using Silicon FGS-25 for sanitary applications.
- Due to possible staining not suitable for natural stone for which we recommend Quadroseal.
- For mirror bonding we recommend MSP-Allround.
- If the sealant should be painted we recommend Easyseal-XPS
- * Tests showed that Blockseal is compatible with most insulating glass edge seals and PVB layers of laminated safety glass. However, due to a wide variety of edge sealing systems and compounds on the market, from which chemical formulations could be modified by the producer without any notice, this statement does not imply any liability.

Packing

Aluminum foils à 600 ml.; 12 foils per box.

Storage

Store dry and cool between +5°C and +25°C, in its original hermetically sealed packing during 12 months.

Safety Precautions

Avoid long contact with skin. In case of contact with the eyes, rinse with plenty of water and consult a doctor. Avoid any contact with food as long as the sealant is not fully cured. Keep away from children. The product is not hazardous when applied properly and correctly. Material Safety Data Sheets (MSDS) can be obtained upon request.

Transportation classification

No special measures required