

## Silicon FGS-25® Neutral, antifungal silicone sealant

TDS: Silicon FGS-25 2304EN

Low modulus, alkoxy based silicone sealant. Developed for sealing facades, glazing and sanitary facilities. Due to its extremely low CO<sub>2</sub> emissions, Silicon FGS25 is Indoor Air Comfort Gold and EmiCode EC1 plus certified.



### Applications

- For joints in sanitary facilities, bathrooms, toilets, kitchens, etc.
- Sealing mirrors to tiles, metal and glass
- As topseal for glazing.
- Sealing of wooden, metal and plastic frames
- Dilatation and connection joints for prefab elements of concrete, facade cladding, etc.

### Features and benefits

- Neutral alkoxy-based curing system
- Durable elastic (ISO11600-25LM)
- Very good processing
- Excellent adhesion to almost all building materials
- Sanitary set up
- Contributes to a healthy living environment
- Resistant to ageing, UV radiation, weather influences, high and low temperatures
- Does not corrode to metals

### Adhesion

Good adhesion to glass, glazed tiles, aluminium, brass and steel. On hard PVC, polyester, abs, hard polystyrene, acrylic baths, etc. When in doubt please perform adhesion tests and/or consult our primer list.

### Testing / Certifications

- CE Marking: EN15651-1: F Ext-Int
- CE Marking: EN15651-2: G
- CE Marking: EN15651-3: S
- Indoor Air Comfort Gold, Emicode EC1-Plus, Belgian & French VOC Regulation A+, BREEAM, Blue Angel, LEED v4.

**Explanation:** Indoor Aircomfort Gold Certification confirms that the product meets the low EU emission requirements and is a sign that the applicant is focused on quality and contributes to a healthy indoor environment.

### Substrates

Substrates must be dry, free of dust and grease. Bituminous substrates are unsuitable. Polyethylene, Teflon and DPC do not adhere. Marble and granite can show edge zone pollution. In that case use Quadroseal silicone sealant.

### Technical data at 20°C and 60%RH

Processing temperature:	+5°C to 40°C
Temperature resistance:	-50°C to 150°C
Skin formation:	14 min.
Curing speed / 24 hrs:	2 mm
Hardness, ISO868:	20° Shore-A
Density:	1,2 g/ml
Modulus 100%, ISO 8339:	0,35 N/mm <sup>2</sup>
Elongation at break:	270%
Volume change, ISO10563:	< 6%
Movement capability:	25%
Organic solvent:	0,00% VOC (EG)

### Standard colours

White, transparent, transparent-gray (gray), manhattan, manhattan dark, anthracite, jasmine.

### Joint design

To prevent three sided adhesion of the sealant and to determine joint depth insert a PU- or PE-foam backer rod. Normally widths up to 12mm = depth 6mm. For joints wider than 12mm: joint depth = width/3 + 6mm. Width x depth in mm: 5x6, 8x6, 10x6, 12x10, 15x11, 20x12, 30x16.

### How to use the product

Extrude with standard caulking gun. Prior to skin formation, smoothen sealant surface using a spatula and Bloem Jointing Finisher. Remove spilled finishing fluid immediately after sealing. Cured sealant can only be removed mechanically.

### Maintenance

Silicone FGS-25 is resistant to mould growth and most normal cleaning agents. For a long lifespan, sanitary rooms such as bathrooms and showers should be sufficiently ventilated. Tiling together with silicone joints should be properly cleaned regularly.

### Limitations

- Do not strain the sealant before full vulcanisation.
- Tests showed that Silicon FGS-25 is compatible with most insulating glass edge seals and PVB films of laminated safety glass. Due to the variety of edge sealing systems on the market and compositions changed by the producer without notice, this statement can not guarantee any compatibility with all possibly modified edge seals and systems.

### Packaging

310 ml cartridges, 400 and 600 ml sausages.

### Storage and shelf life

Store in a cool and dry place (+5°C < +25°C.). Can be stored for at least 12 months in original unopened packaging.

### Safety measures

Keep out of reach of children. May cause an allergic reaction. In general, long term skin contact should be avoided. Aerate the workplace properly. Prevent contact with food and other consumption products until the sealant has vulcanized. After contact with eyes, flush with plenty of water and consult a doctor if necessary. When used according to its intended purpose, the vulcanized product does not pose any risk. See MSDS (material safety data sheet) for additional info.

### Transportation classification

Not applicable; no special measures required.

