

# SabreSeal™ CR

SabreSeal CR is a high-quality neutral, elastic, one component silicone based joint sealant. SabreSeal CR has been developed for sealing applications in critical surroundings (hospitals, laboratories, pharmaceutical industry) and in food safe applications.

## Benefits

- Easy to extrude – fast extrusion reduces installation times
- Anti-fungal (Tested to ASTM G21)
- Easy to tool – Quality smooth finish
- Very good adhesion to many substrates – can be used for multiple applications
- Solvent free – Safe to use, healthier work environment

## Properties

- Colourfast & UV Resistant – meets NZ UV requirements & colour remains with aging
- Neutral cure – Safe for sensitive substrates
- Low modulus – flexible for building movement
- Slow skinning – increased working time for tooling



- Impervious to mould – food-safe applications
- Excellent weathering and aging resistance – longer lasting, less building maintenance costs

## Applications

- Sealing in cleanroom applications in hospitals, laboratories and other critical surroundings.
- Sealing of rooms in which food is processed and stored.
- Sealing of several panel types (like e.g. HPL-panels).
- Joints in sanitary rooms (on synthetic baths and tubs) and kitchens.

## Technical Data

|                                 |                          |                  |
|---------------------------------|--------------------------|------------------|
| <b>Curing system</b>            | Moisture curing, neutral |                  |
| <b>Specific gravity</b>         | 0.98 - 1.02 g/mL         |                  |
| <b>Slump</b>                    | <1 mm                    | ASTM D2202       |
| <b>Maximum tensile strength</b> | 1.3 N/mm <sup>2</sup>    | ASTM D412        |
| <b>Elongation at break</b>      | 390 %                    | ASTM D412        |
| <b>Shore A hardness</b>         | 23                       | ASTM C661        |
| <b>Anti-fungal testing</b>      | 0 rating (No growth)     | ASTM G21         |
| <b>Low VOC compliance</b>       | Yes                      | SCAQMD Rule 1168 |
| <b>VOC content</b>              | 57.38 g/L                | USEPA Method 24  |
|                                 | 2.83 %                   | USEPA Method 310 |

## Surface Preparation

The surfaces to be must be clean, dry and free from dust, grease and other contaminants. As quality of plastics can vary, always carry out adhesion tests prior to large scale use. Improve adhesion by wiping surface with white spirits (painted surfaces). Priming is generally not required, although we always advise testing small areas prior to use. Joint design should be as follows:

**Minimum width:** 5mm. Movement capacity will be impaired if the depth of the joint is greater than the width. For maximum movement accommodation, it is recommended that:

- 1** The joint depth should be no less than 5mm.
- 2** Joint depth should be 5mm for joints up to 10mm wide.
- 3** Joints above 10mm in width should be half the width in depth up to 20mm and minimum 10mm for wider joints.

For deep joints, reduce depth by using SABRE® FIX LF FOAM or a suitable joint backer rod. All joints should be designed so that the seal is placed in a position which does not retain water or form a water trap. Triangular fillets should be no less than 12mm across the face and should be finished with

a flat or convex face. Cut the tip of the cartridge taking care not to damage the thread. Apply nozzle and cut at an angle of 45° with an opening slightly larger than the gap to be sealed. Apply using a standard sealant gun. Best results will be obtained by keeping an even pressure on the trigger and keeping the gun at a constant angle to the surface being sealed. To ensure a proper bond, always smooth the sealant down with a spatula or piece of wood. An improved joint appearance can be achieved by placing masking tape to both sides of the joint, removing within 5 minutes of application.

## Application

Cut the tip of the cartridge taking care not to damage the thread. Apply nozzle and cut cleanly at an angle of 45° with an opening slightly larger than the gap to be sealed. Apply using a standard sealant gun. Best results will be obtained by keeping an even pressure on the gun trigger and keeping the gun at a constant angle to the surface being sealed.

Smooth down within 10 minutes of application using a wetted spatula, piece of wood or wetted finger. Any excess sealant can be removed with white spirit.

## Packaging & Shelf Life



**Available colours:** Titania

**Packaging size:** 300ml cartridge, 600ml sausage

**Shelf Life:** 18 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.



## Important

- Direct contact with the primary sealing of double glazing units (insulation) and the PVB film of safety glass must be avoided.
- The sanitary formula should not replace regular cleaning of the joint. Excessive contamination, deposits or soap remainders will stimulate the development of fungi.

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