

Dow Corning 785 Silicone sealant

Sanitary (previously DC 915)

DESCRIPTION

Dow Corning 785 is a one-component, acetox flexible silicone sealant especially designed for the sealing of sanitary and kitchen applications.

USES

For sealing around sanitary fittings to give a water resistant hygienic seal:

- Kitchen fittings, including baths, sinks, urinals and ceramic tile joints.

FEATURES & BENEFITS

- 100% silicone rubber.
- Excellent weathering properties.
- Easy to apply, one-component sealant.
- Contains a fungicide to prevent mould growth.
- No maintenance required.
- High gloss finish.
- Available in a wide colour range to match most popular sanitary furniture.
- Fast cure.
- Excellent adhesion to non-porous surfaces.
- Non-slump.
- Joint movement capability $\pm 25\%$ of original joint width.

SURFACE PREPARATION

Joint preparation:

Cleaning

Ensure that all surfaces are clean, dry, sound and grease free.
Clean with methylated spirits and dry thoroughly with a clean, lint-free cloth before application of sealant.

Note: When using any solvent always provide adequate ventilation. Avoid

TYPICAL PHYSICAL PROPERTIES

These values are intended for use in preparing specifications.

Cure type	Acetox
Slump	Nil
Working time	5-10 min.
Tack-free time	20 min.
Staining	None
Movement capability in service (% joint width after 14 days cure)	$\pm 25\%$
Recovery	100%
Cure time	24 hours
Hardness (Shore A)	25
Tensile strength (ISO 8339)	2,3 MPa
Elongation at break (ISO 8339)	530%
Specific gravity	1,03
Colours	Clear & white

SURFACE PREPARATION

This table is a guide only

Substrate	Surface cleaning	Recom. degreasing	Constr. Primer
Stainless steel	Degrease	Acetone or MEK	1 200 OS
Acrylic	Degrease	Methylated spirits	1 200 OS
Porcelain	Degrease	Acetone or MEK	None required
Vitreous enamel	Degrease	Acetone or MEK	None required
Glazed ceramic tiles	Degrease	Acetone or MEK	None required

heat, sparks and open flames.
Observe and follow all precautions listed on solvent container label.

Back-up material

abe duracord closed cell polyethylene backer rod is recommended as a back-up material.

Masking

Areas adjacent to the joints should be masked with tape to prevent contamination of substrates and ensure a neat sealant line. Masking tape should be removed immediately after tooling.

MIXING

No mixing required. Use straight from cartridge.

Finishing

The joint should be 'tooled' within five minutes of application to ensure good contact between the sealant and the substrate. Tooling of the sealant also gives a smooth, professional finish.

COVERAGE

Estimating sealant requirements Linear metres per 310 ml cartridge							
Width (mm)	6	9	12	15	18	25	
Depth (mm)	6	8,6	5,7	3,4	3,4	2,9	2,1
	9	-	3,8	2,9	2,3	1,9	1,4
	12	-	-	2,2	1,7	1,4	1,0

Joint design

When designing joints using **Dow Corning 785**, the minimum width should be 6 mm. For joints between 6 mm - 12 mm wide, a seal depth of 6 mm is required. For joints above 12 mm wide, a width to depth ratio of 2:1 should be used, up to a maximum depth of 12 mm. In situations where fillet joints are needed, a minimum of 6 mm sealant bite to each substrate is recommended.

Revision 9203



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Technical data sheet

abe Construction Chemicals (Pty) Ltd. P.O. Box 23053, Isipingo, 4110, South Africa. 7 Wilcox Road, Isipingo, 4110 Tel. (031) 913 5400

APPLICATION

Cut the tip of nozzle at the angle required. Apply **Dow Corning 785** from a caulking gun using sufficient pressure to ensure adequate contact with sides of joint. The surface of the joint may be smoothed over with a little liquid soap and water to ensure good contact between the sealant and substrate.

CLEANING

Excess sealant should be cleaned off tools and non-porous surfaces whilst in an uncured state.

Sealant adhering to porous surfaces should be left until just cured and then removed by abrasion or other mechanical means. Care must be taken not to discolour plastic surfaces.

Tools, brushes and mixing equipment should be cleaned immediately after use and before material has set with **abe super brush cleaner** followed by washing with soap and water.

PROTECTION ON COMPLETION

Dow Corning 785 is UV and mould resistant and is suitable for internal and external use. No protection is required.

TEMPERATURE AND RELATIVE HUMIDITY

Application temperature range:
+5°C - 35°C

MODEL SPECIFICATION

One-component acetoxy silicone for sealing sanitary and kitchen fittings. Contains a fungicide to resist mould growth.

The sealant shall be **Dow Corning 785**, a one component acetoxy cured silicone sealant applied in accordance with the distributors recommendations, **abe Construction Chemicals (Pty) Ltd.** The sealant shall meet the requirements of BS 5889 type B, ISO 9047 class 20 and ISO 846.2.

PACKAGING

Dow Corning 785 is supplied in 310 ml cartridge packed in boxes of 24.

HANDLING & STORAGE

This product has a shelf life of 12 months if kept in a dry cool place in the original packaging. In more extreme conditions this period might be shortened.

LIMITATIONS

Dow Corning 785 should not be used on substrates that bleed oils, plasticizers or solvents. It is not recommended for use with certain plastics, particularly flexible plasticised types. **Dow Corning 785** is not recommended for structural glazing or insulated glazing applications.

Dow Corning 785 should not be applied to surfaces in direct contact with food as it contains a fungicide. It should not be used for aquariums. Consult **abe** Technical Services Department for further advice in specific applications.

TEST COMPLIANCE

Dow Corning 785 meets or exceeds the specifications of:

- BS (British Standard) 5889 Type B.
- ISO 9047 Class 20.
- The fungicide performance is tested according the ISO 846.2.

HEALTH & SAFETY

Dow Corning 785 silicone sealant will release acetic acid when curing.

Dow Corning 785 is acetoxy and should not be allowed contact with skin and eyes. Avoid inhalation of fumes. The use of gloves, eye protection and masks is advised. Splashes into eyes should be washed immediately with plenty of clean water and medical advice sought.

Cured **Dow Corning 785** is inert and harmless.

IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst **abe Construction Chemicals** endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot - because **abe** has no direct or continuous control over where and how **abe** products are applied - accept any liability either directly or

indirectly arising from the use of **abe** products, whether or not in accordance with any advice, specification, recommendation, or information given by the company.

FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements. **abe Construction Chemicals** has a wealth of technical and practical experience built up over years in the company's pursuit of excellence in building and construction technology.

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