

Technical Data Sheet

Ceresit CS 24 Universal Sealant

I. Material

Description:

CERESIT CS 24 is a one component, ready-to-use silicone sealant for sanitary joints (acetoxo type).

It cures at room temperature and in the presence of air moisture to form a flexible and resistant joint with low modulus of elasticity.

Particular properties:

CERESIT CS 24 adheres without primer to glass, ceramics, vitreous, painted surfaces and anodized aluminium.

Once cured CERESIT CS 24 has good resistance against conventional cleaning products and a lot of chemicals. In addition it has excellent natural aging behaviour (UV, rain, frost, ozone, salt, etc.).

CERESIT CS 24 contains a fungicide and is formulated as a sanitary sealant for use in hot humid environments such as kitchens and bathrooms where resistance to fungal growth is necessary.

Intended use:

CERESIT CS 24 can be used on all weatherproofing or bonding applications where protection against fungal growth is required:

- Jointing baths, sinks, showers, kitchen furniture, urinals
- Jointing ceramic tiles, plumbing fixtures or cold rooms

Package size:

Cartridges of 310 ml

Colours:

Translucent, white

II. Characteristic Features

CERESIT CS 24 complies with ISO 846-B (level 1, mildew resistance).

CERESIT CS 24 complies with ISO 11600-F-12,5 E, anodised aluminium, concrete (without primer).

Processing/Curing
Before curing:

Type of sealant.....Acetoxo Silicone

Appearance..... paste

Specific gravity, g/ml, approx..... 0,98
(ISO 2811-1)

Flow resistance (ISO 7390), mm..... ≤ 2

Curing:

Skin formation time (+23 °C / 50% RH), min, approx 15

Curing rate (+23°C, 50% RH, cross-section of joint 20x10mm), approx 2 - 3 days / 5mm

Application temperature, °C + 5 to + 40

II. Characteristic Features

Processing/Curing

After curing:

Shore A hardness (DIN 53505), approx.....	20
Movement capability (ISO 11600) %.....	12,5
Max. joint width, mm.....	30
Change of volume (ISO 10563), %, approx.....	25
Elastic recovery (ISO 7389, 100% ext.), %	> 80
Temperature Resistance, °C.....	- 30 to + 120

Mechanical properties (ISO 8339-A)

Modulus at 100% elongation, N/mm ² , approx	≤ 0,4
Elongation at break, %, approx.....	120

III. Instructions for use

Surface preparation:

All surfaces must be clean and dry, free from any dust and grease or anything which may be detrimental to correct adhesion of the sealant.

Residues of old sealant or other materials as well as mould on the substrate must be removed completely.

Degreasing is performed using a pad soaked in solvent (alcohol or white spirit) followed by wiping with a clean cloth. Dust should be removed using oil-free compressed air.

To get best sealing results it is recommended to mask edges of the joints with a tape before application of the sealant mass.

Primer:

Although CERESIT CS 24 will bond well to most surfaces it is recommended to use a primer on certain substrates to ensure a strong and uniform bond:

On Cast, extruded or anodised aluminium, metals and plastics use primer P819 before application of CERESIT CS 24. In case of porous materials it is recommended to use Primer P800. Please consult us for more information.

Joint dimensions:

Expansion joints are generally subject to local regulations.

As rule-of-thumb the joint depth must be equal to 2/3 of the joint width, but at least 5 mm.

Compatibility with other sealants must be tested prior to use, especially when repairing joints.

Application:

Once a seal back-up material has been put in place (closed-cell polyethylene foam with surface skin or open-cell polyurethane foam), the sealant should be applied ensuring that the seal is completely filled.

Smoothing off the seal ensures good contact between the sealant and the bonding surfaces. Directly after application, spray the joint with a mild detergent solution and smooth off with an appropriate tool. Remove any tape immediately before surface skin is formed. Smooth over any proud sealant edges immediately.

Please note:

The joint must be cleaned and maintained regularly.

Take care of a good and regular air circulation in the room where the sealant is applied.

Curing speed is depending on temperature, air humidity and on the dimensions of the joint. Low temperatures, low air humidity or big joint dimensions need longer curing speeds.

Limits of use:

CERESIT CS 24 must not be used on sensitive surfaces which could react with the acetic acid which is released during cure.

CERESIT CS 24 is not recommended for joints that are in direct food contact.

CERESIT CS 24 is not recommended for structural glazing applications.

CERESIT CS 24 seals must not be over-painted (poor covering and adhesion of the paint).

Before using CERESIT CS 24 on painted substrates, paint has to be completely dry and cured.

Prior compatibility tests are recommended, considering the variety of paints that exist.

CERESIT CS 24 is not recommended on materials which can exude certain components over time (butyl sealant, EPDM rubbers, polychloroprenes, etc.). Discolouration or reduction of adhesion properties could take place.

Application of CERESIT CS 24 on natural stone (e.g. marble, granite) is not recommended. For applications on natural stone use a special natural stone silicone.

CERESIT CS 24 is not recommended for applications on PTFE (Teflon®) or polyethylene.

For any applications on sensitive surfaces carry out preliminary testing to check compatibility with the sealant.

IV. Special Instructions

Storage and shelf life:

Store CERESIT CS 24 in a dry place between 5 °C and 25 °C.

Shelf life is 24 months in the original packaging after date of manufacture (the expiry date is shown on the packaging).

Cleaning:

Areas soiled with fresh sealant may be cleaned with a dry pad or a pad soaked in a solvent. Any cured sealant can be removed by scraping (e. g. using a razor blade), or by using a special silicone remover product. For more information please consult us.

Health and Safety:

Please consult the Safety Data Sheet of CERESIT CS 24.



Please note: The information provided herein, especially recommendations for the usage and the application of our products, is based upon our knowledge and experience. Due to different materials used as well as to varying working conditions beyond our control, we strictly recommend to carry out intensive trials to test the suitability of our products with regard to the required processes and applications. We do not accept any liability with regard to the above information or with regard to any verbal recommendation except for cases we are liable of gross negligence or false intention.

Henkel AG & Co. KGaA – 40191 Düsseldorf, Germany