

Ceresit

3E

Technical Datasheet

Version 01.05.2012

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PROPERTIES

- ▶ **Single component, acetoxy curing**
- ▶ **Flexible and durable elastomeric seal**
- ▶ **Multi Purpose use**
- ▶ **Bonds well to clear glass and ceramics**
- ▶ **Excellent weather resistance**

APPLICATIONS

- Caulking doors and windows
- Shop windows, display cases, panels, signs
- Plumbing, drains, guttering
- HVAC ducting
- Sealing of electrical conduit
- Boat maintenance
- General-purpose sealing

PROCESSING

Surface Preparation

All surfaces must be clean, dry and free from any dust or any traces of contaminations, which may affect adhesion.

To degrease, wipe with a pad soaked in solvent then with a clean cloth. Dust should be removed using oil-free compressed air.

Joint Dimensions

Users must take into account the joint movement in addition to local regulations.

Joint width should be twice the depth.

Priming

Although 3E Sealant will bond well to most clean and dry surfaces, it is recommended that a primer be used on certain substrates* in order to ensure a strong and uniform bond.

*Steel, ferrous metals, Thermoplastic materials; Concrete, stone, wood.

On non-porous substrates, the primer should be applied with a cloth or soft brush in a thin and uniform film. On porous substrates, apply with a



brush; in the case of particularly porous material apply a second layer after drying.

Sealant Coverage per 310ml cartridge of sealant for the following seal dimensions are given below for information purposes only:

- 12 metres of 5 x 5 mm seals
- 5 metres of 8 x 8 mm seals
- 2.5 metres of 15 x 8 mm seals
- 1.5 metres of 20 x 10 mm seals

TEMPERATURES

Application

Application Temperatures: +5°C to +40°C

Service

Service Temperatures: - 30°C to + 120°C

CHARACTERISTICS

Type : Acetic Silicone Sealant

Specific Gravity
(non cured),
approx. 0.98 g/cm³

Flow Resistance
(EN 27390),
mm. Approx.: 1

Skin formation
time, min.,
approx. (23°C,
rel. humidity
50%): 9

Tack-free time,
min., approx.
(23°C, rel.
humidity 50%): 20

Curing rate (23°C,
rel.humidity 50%),
approx: mm / 1st day: 3
mm / 3rd day: 5
mm / 7th day: 7

Shore A
hardness (ISO
868), approx. 20

Elastic recovery
(EN 27389), %
approx: 95

Joint Movement
capability,% 15

Mechanical Properties on a 2mm thick film

Modulus at
100%
elongation, Mpa,
approx: 0.50

Tensile
strength,Mpa,
approx: 2.0

Elongation at
break, % approx. 450

Mechanical on slabs

Modulus at
100%
elongation,Mpa,
approx: 0.4

Tensile
strength,Mpa,
approx: 0.6

Elongation at
break,% approx. 180

STANDARDS

ISO

ISO 11600-F-12.5E

IMPORTANT ADVICE

Cleaning of the skin

During application, wear skin protection,

Storage

Cool, dry and free from frost

Shelf Life

24 Months when stored at temperatures between +5°C and +25°C in original, unopened packaging.

SAFETY

Safety Advice

Consult the Material Safety Data Sheet (MSDS)
for Ceresit 3E.

www.ceresit.co.uk

COLOURS

White, Translucent, Brown, Aluminium, Black,
Grey

PACKAGING

Ceresit 3E is supplied in 310ml cartridges

SUBSTRATE COMPATIBILITY

Ceresit 3E can be used with most common
building substrates and bonds well to ceramics,
clean, uncoated glass, most glazed non-porous
surfaces and anodised aluminium without the
need to prime.

LIMITATIONS OF USE

3E Sealant must not be used on sensitive surfaces, which could react with acetic acid that is released during cure, nor should it be used on materials where migration of constituents can take place e.g. certain rubbers.

3E Sealant must not be used for the sealing of aquariums. For this application, we recommend *Ceresit AQUARIUM*.

Avoid the use of the 3E Sealant where there are possibilities of food contact.

3E Sealant is not recommended where abrasion or physical abuse will be encountered. For all uses in permanent immersion, please consult us.

3E must not be used for applications on natural stone surfaces. For these applications a special natural stone sealant is necessary.

DISPOSAL**Product and packaging disposal**

Dispose of waste and residues in accordance with local authority requirements (please refer to Safety Data Sheet for more information).

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.

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www.ceresit.co.uk

The Ceresit logo consists of the word "Ceresit" in a bold, white, sans-serif font, set against a solid black rectangular background.