

KEIM Caulk (KEIM Fugendichtmasse)



1. Product description

KEIM Caulk is an aqueous acrylic one-component product for filling joints and cracks.

2. Field of application

- For interior and exterior use.
- For walls and soffits.
- Sealing of connection joints between absorbent building components and built-in parts.
- Sealing of joints and connections in concrete, aerated autoclaved concrete, plaster/render, masonry, fiber-cement boards, plasterboards, etc.
- Sealing between wooden, vinyl, PVC, metal window/door frames and masonry, render/plaster, concrete, shutter boxes and walls, wooden ceilings or paneling and walls, stairs and walls etc.

3. Product properties

- Self-adhesive, unprimed adhesion to various substrates.
- Weather-, aging- and temperature-resistant, universal, to use on walls and soffits.
- Recoating with KEIM Soldalit, KEIM Granital, KEIM Royalan, KEIM Quarzil-Historisch, KEIM Ecosil-ME, KEIM Optil, KEIM Concretal-W, KEIM Concretal-C, KEIM Concretal-Lasur, KEIM Restauro-Lasur, and KEIM Design-Lasur.
- Elastic capacity up to 10% of joint width.
- Ready for use, easy application without mixing.

Color shade

White

4. Application instructions

Substrate preparation

The bonding areas must be clean and sound. Remove dust, oil, grease, residues of coat, loose parts etc. completely. The substrate may be damp but not wet. Substrates which are very absorbent or insufficiently sound must be primed with a solidification agent. An alternative is also KEIM Caulk diluted with water.

Application procedure

The hand-operated caulking gun is suitable to apply KEIM Caulk. To achieve a smooth, neat joint seal it is recommended to put self-adhesive tape on the edge of the joint before filling it with caulk. The tape must be pulled off immediately after smoothing the caulk. For deep joints install closed cell polyethylene backer rod. Never use backer rods containing bitumen or tar. Do not damage backer rod during the application. Avoid caulk from adhering to the bottom of the joint space (three-sided adhesion), by laying a polyethylene foil into the bottom of the joint.

Cut off the lid of the threaded nipple of the cartridge, screw on nozzle and cut at an angle corresponding to the joint width.

Using the caulking gun push KEIM Caulk into the joint forcing it against the sides of the joint. In case of angular connections apply the caulk as triangular joint.

If necessary smooth the caulk with water (e.g. with a finger, soft sponge or moistened brush) immediately after application. If rendering or coating is desired the caulk may be sprinkled with sand directly after sealing.



Application conditions

Do not apply KEIM Caulk below +5 °C (+41 °F) and above +25 °C (+77 °F) substrate temperature. KEIM Caulk can be over coated (see product properties). This is, however, not recommended in the case that the joint is exposed to frequent expansion/contraction (see regulations for the capability of coating joint seals issued by the IVD Industrial Association Caulks). Protect from rain/water during the skin forming process.

Clean soiling with water immediately and while still fresh. Once cured they can only be removed by mechanical means.

Consumption

Joint 10 x 10 mm = 100 ml/m joint

(to be calculated acc. to the formula:

Joint width (mm) x joint depth (mm) = ml/m joint.

The consumption reduces to half the amount with triangular joints.

Yield: For a joint (10 x 10 mm): the 310 ml (10.5 fl.oz.) cartridge is sufficient for approx. 3.1 m

Technical/application data

Working temperature:

+5 °C up to +25 °C (+41 °F up to +77 °F)

(substrate temperature)

Curing time:

1 to 3 weeks (depending on substrate, cross section, and weather)

Time to form a skin:

Approx. 20 minutes at 20 °C (68 °F)

Dependable elongation:

10% of joint width

Tensile strength:

Approx. 0.1 N/mm²

Temperature resistance:

-20 °C up to +80 °C

(-4 °F up to +176 °F)

(For a short time even above or below the values given).

Adhesion without primer:

To clinker, fiber-cement boards, aerated autoclaved concrete*, Formica, translucent ink for wood, concrete, render*, gypsum render*, masonry, wood, particle boards, plasterboards, absorbent ceramic, aluminum (also anodized), plastics such as Hostalit Z, acrylic glass, galvanized iron, V2A-steel, copper, lead, brass.

*) Primed with KEIM Caulk diluted with water

5. Packaging

310 ml (10.5 fl.oz.) plastic cartridge with screw-on nozzle.

6. Storage

12 months shelf life when stored in dry conditions, protected from frost. Opened cartridges can be stored for several days when the nozzle opening is closed tightly with some of the hardened caulk.

7. Hazardous substances ordinance class

n/a



8. Transport hazard class

n/a

9. Disposal

EC Waste Code No. 08 04 10

Any residues must be emptied out of containers before recycling.

10. Safety instructions

Provide appropriate protection for surfaces which are not to be coated (e.g. glass, natural stone, ceramics etc.). Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water. Protect the eyes and skin from splashes. Keep out of reach of children.

Product Code: D1

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