

Hybrid Sealing Compound 383

Single-component, soft and elastic, solvent-free, for interior and exterior use



Field of Application

For building expansion and connection joints, for interior and exterior use. Especially for joint sealing in building construction in accordance with BFS Leaflet No. 23. For use on elements, such as concrete, aerated concrete, brickwork, metals, e.g. anodized, oxidized aluminum and plastics, such as hard PVC. Also suitable to bond Drip Edge Profiles 1595 and Cove-shaped Profile 1593. Do not use on glass, marble or artificial stone.

Properties

- Single-component
- Solvent-free
- Neutral odor
- For interior and exterior use
- No formation of bubbles
- Fast skin formation
- Low sensitivity to dust
- Free from silicone, isocyanate, and PCP
- Very low levels of shrinkage
- Resistant to early contact with water
- With good levels of UV resistance
- Coating-compatible in accordance with DIN 52452, Part 4

Material description

Colors	White and gray
Base material	Silan-modified polymers, neutrally linking
Density	Approx. 1.5 g/cm ³
Shore A hardness	Approx. 25 in accordance with DIN 53505
Permissible overall deformation	At max. 25%, in relation to the initial width of the joint
Temperature resistance	Approx. -40°C to +80°C, briefly also up to +100°C

Material description

Volume change	< -3% in accordance with DIN 52451
Resilience	> 70% in accordance with DIN 27389 initial width of the joint
Packaging	290 ml cartridge, 600 ml hose

Use

Applying sealing compound	Wear safety goggles and protective gloves. Cut open cartridge with threaded head and unscrew nozzle. Cut the nozzle tip according to the joint width (at an angle) and insert the cartridge in the gun. Apply pressure to apply material evenly into the joint. Use opened cartridges as soon as possible. Smooth out the surface using a moist tool and remove adhesive tape prior to skin formation. Use water with commercially available wetting agent (not concentrated detergent) as the smoothening agent. Add as little as possible.
Compatibility	As a rule, do not paint elastic sealant. Hybrid Sealing Compound 383 is coating-compatible according to DIN 52452. Carry out preliminary tests in each case on the basis of the multitude of potential coating materials to exclude reactions with the coating material. Note BFS Leaflet no. 23, Section 3.3.1.2, and IVD Leaflet no. 12 entitled "Coating ability of sealants to compensate for movement in building construction".
Consumption	Consumption can be determined from the joint width multiplied by the joint depth. With a joint cross-section of 10 x 10 mm, the 290 ml cartridge is sufficient for approximately 3 m. Precise consumption values can be determined by test use on the object.
Application temperature	Do not apply under +5°C and up to a max. of +40°C air and object temperature.
Cleaning tools	Clean with Special Synthetic Resin Thinner 915 immediately after use. Once cured Hybrid Sealing Compound 383 can exclusively be removed mechanically.

Drying (+20°C, 65% relative humidity)

Skin formation after approximately 25 minutes. Tack-free after approximately 24 hours. Complete curing of approximately 3 mm per 24 hours. Allow for a longer curing time if the temperature is lower and/or the humidity is higher.

Storage

Store in a cool, dry and frost-free place. Approx. 18 months storage in an unopened original container.

Declaration

Product code	Not assigned. Comply with the specifications in the current Safety Data Sheet.
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Substrate preparation

- The joint must generally be implemented in accordance with the instructions in BFS Leaflet No. 23. Avoid triangular joints and three-point adhesion.
- We recommend a square joint section for joint widths of between approximately 5 and 10 mm. For wider joints the joint depth must amount to around half the joint width.
- Pre-fill deeper joints with a suitable foam material in accordance with BFS Leaflet No. 23. Joint Gap Filling Cord 387 prevents adhesion of on the joint substrate. In this process, integrate the mechanically undamaged round cord into the joint to prevent a formation of bubbles in the sealant (as a consequence of degassing of damaged round cords).
- Prefilling materials must be compatible with the sealant. Products containing tar, bitumen or oil, polyethylene, polypropylene and Teflon are unsuitable.
- Mask joint edges using adhesive tape.
- The adherend surface must be solid, dry, clean, load-bearing, free of separating agents and must not contain bitumen.
- Fully remove non-load-bearing coatings.
- Check object-related adhesion and compatibility with plastic, paint and enamel paint.
- For absorbent substrates, use Sealing Compound Primer 379 to improve adhesion and seal pores.
- See also VOB Part C, DIN 18363, Section 3.

Filling Joints

Apply Hybrid Sealing Compound 383 to the prepared joint and smooth out.

Joint dimensioning according to BFS Leaflet 23

Joint distance m	Joint width Minimum dimensions <i>b_{min}</i> mm	Joint sealant thickness	
		<i>d</i> mm	Border dimensions mm
Up to 2.0	10	8	± 2
Over 2.0 Up to 3.5	15	10	± 2
Over 3.5 Up to 5.0	20	12	± 2
Over 5.0 Up to 6.5	25	15	± 3
Over 6.5 Up to 8.0	30	15	± 3

Notes

Curing conditions

Blistering may occur if the curing conditions are unfavorable (e.g. moisture and heat), as well as on porous and/or damp substrates and damaged Joint Gap Filling Cord 387. If necessary, carry out tests to verify this beforehand.

Formation of bubbles and discoloration

Complaints relating to a formation of bubbles or discoloration based on aforementioned characteristics will not be accepted.

Further information

Follow the instructions on the Data Sheets of the products used.



NB 1119

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0383-15651-02 Type F EXT-INT
CC 25LM - Type PW EXT-INT CC 25LM

Joint sealant for facades and sidewalks that is
suitable for cold climate zones

Reaction to fire	Class E
Vertical stability	< 3 mm
Volume loss	< 10%
Tensile behavior at -30°C	< 0.9 MPa
Tensile behavior under prestress at -30°C	Passed (NF)
Durability	Passed
Vertical stability	< 3 mm
Tensile behavior under prestress after immersion in water	Passed (NF)
Tear strength	Passed (NF)
Adhesion/elongation behavior under prestress after 28 days of water immersion	Passed (NF)
Adhesion/elongation behavior under prestress after 28 days of salt water immersion	Passed (NF)

Remark

This Data Sheet is based on extensive development work and years of practical experience. The translation corresponds to the current German version, in compliance with the German laws, regulations, standards and guidelines. Its content does not constitute a contractual legal relationship. The user/buyer is not released from the responsibility of checking our products to ensure they are suitable for the intended application. In addition, our general terms of business apply.

When a new version of this Data Sheet with updated information is published, the previous version no longer applies. The current version is available on our website.

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