

FloorBridge® Connect 13

Elastic 2K hybrid adhesive

Properties

- Hardening within 1 hour
- High flexibility
- Quick initial adhesion
- Odourless
- Non-classified

Application areas

For bonding the rubber insert for FloorBridge® CPS-joint profiles.

Product data

Colour shade: Grey
Container size: 500 g double cartridge

Technical data

Film-forming time: Approx. 10-12 minutes (20°C, 50% RH)
Hardening: Approx. 60 minutes (20°C, 50% RH)
Solid content: 100%
Mixing ratio (volume): 1:1
Thickness: 1.41 g/l
Shore hardness (DN 53505): 45
Tensile sheer strength (DIN 53504):
Approx. 1.5 N/mm²
Tensile strength (DIN 53501): Approx. 2.4 N/mm²
Elongation/Elasticity (DIN 53504): Approx. 400%
Module at 100% elongation (ISO 8339): Approx. 1.4 N/mm²
Volume change: Approx. 3%

Consumption:

Ca. one 2K cartridge for 5 meters bonding expansion insert (CPS-profile).



Resistance

- Good UV stability and resistance to weathering and ageing
- Temperature resistant from -40°C to +90°C
- Generally very high resistance:

Water	Very good resistance
Salt water	Very good resistance
Aliphatic solvent	Very good resistance
Oils and greases	Very good resistance
Diluted inorganic acids and bases	Very good resistance
Ester	Temporary resistance
Ketones	Temporary resistance
Aromatic hydrocarbons	Temporary resistance
Concentrated acids	No long-term resistance
Chlorinated hydrocarbons	No long-term resistance

Storage conditions / Shelf life:

12 months in the original packaging when stored in a cool, dry and UV-protected place.

Substrate condition/Pre-treatment

The adhesive surfaces must be cleaned and any contaminants such as release agents, preservatives, grease, oil, dust, water, old adhesives/sealants as well as any other substances that could impair adhesion must be removed. Before the rubber insert is bonded to the FloorBridge® joint profiles, it must be cleaned with FloorBridge® Cleaner 12 (see FloorBridge Cleaner 12 product data sheet).

Application conditions/Limits:

Material temperature: +5°C to +40°C
Ambient temperature: +5°C to +40°C

Application instructions:

Processing time (ISO 10563): Approx. 10 minutes (20°C, 50% RH)
Hardening time (ISO 10563): Approx. 60 minutes (20°C, 50% RH)

Easy handling with conventional 2K cartridge gun or compressed air. Strict adherence to the mixing ratio (1:1) is required to prevent irregularities in the hardened product. This can only be ensured with static mixers.

A new mixing nozzle must be used for each cartridge, or the mixing nozzle must be replaced once the pot life has expired!

Application notes:

The inclusion of air must be avoided to achieve optimal adhesion and good mechanical properties. The time until hardening can be shortened by addition of moisture and exposure to higher temperatures. During the summer months, the substrate temperature of the parts that will be bonded must be taken into account. Temperatures >40°C during processing can have a negative effect on the material properties. During processing, the rubber insert must be bonded before the FloorBridge® Connect 13 film-forming time.

If the products are stored and/or transported at high temperatures/humidity for long periods of time (several weeks), a reduction in the shelf life or a change in the material properties cannot be ruled out.

Legal notes

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