

weber.tec 821

1-comp hybrid

1-comp. elastic hybrid glue and sealant

Fields of application

As ready-to-use, non-sag, 1-comp. premium hybrid adhesive and sealant for bonding **all components of the sealing tape system weber.tec 828** in overlapping areas.

Suitable for applications in wet-duty rooms as well as in interior and exterior areas.

Can be used for tension-equalizing bonding and assembling of a wide variety of materials.

Also used for gluing numerous materials, such as wood, metal, glass, ceramic tiles and natural stones.

It adheres to many, even damp surfaces and is therefore extremely versatile.

For use indoors and outdoors.

Description

weber.tec 821 is a factory-mixed 1-component adhesive and sealant.

Composition

Adhesive and sealant on hybrid polymer STPU (= silan-terminated polyurethane)

Main features

- **EMICODE EC1^{PLUS}**: very low emission of volatile substances
- elastic and highly resistant
- optimum adhesion on all substrates
- free of silicone, isocyanate and solvent
- non-corrosive
- quick curing
- colour-fast
- compatible with paint according to DIN 52452
- resistant to weathering and ageing

- low odour
- for use indoors and outdoors
- convenient also on damp substrates

Technical values

Curing time:	3 mm/day
Application temperature:	+5°C - +40°C
Elongation at break:	230%
Allowed service deformation:	10%
Temperature resistance:	-40°C - +90°C
Skin formation:	approx. 20 minutes

Quality control

weber.tec 821 is subject to a regular internal quality control.

General notes

- All characteristics mentioned in this data sheet are given for a temperature of +23°C, without draft and a relative rate of humidity of 50%.
 - The curing time is about 2 mm/day at a relative humidity rate of 50% and +23°C. Temperatures below +20 °C and low relative humidity rates delay the curing process.
 - Chemical reactions in combination with components (aldehydic cleaners, preservatives and solvents) in the room air can cause discoloration of the light colours.
 - In case of glazed and unglazed ceramic tiles and glass, a primer can be dispensed with; if in doubt, carry out preliminary tests on trial areas.
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Special notes

- Due to their durability, hybrid polymers find applications in many construction fields: body-work, vehicles, shipbuilding, staircases, metal and equipment, wagon and container.
- Due to all possible influence factors during application, always carry out a compatibility tests on trial areas.

Substrates

- All components of the sealing tape system **weber.tec 828**, mineral substrates, coated fire-protected building boards (plasterboards etc.) wood, glass, metals (aluminium, anodised, stainless steel, brass, copper), plastics (e.g hard PVC, soft PVC, GRP - glass fiber reinforced plastics - etc.) are allowed substrates.

Substrate preparation

- Before use, make sure that the materials in the contact areas are compatible and will not damage or discolour.
- Extreme temperature variations, elongation and shear forces, repeated contact with water, etc. place high demands on bonding strength.
- In such cases, the use of a suitable primer (for ex. **weber.prim 884** or **885**) is advisable, depending on the joint properties, in order to achieve the strongest possible bond.

Working instructions

- Cut open the cartridge above the thread, screw on the spray nozzle and cut at an appropriate angle, depending on the requested joint width.
- The application is carried out with a manual gun or a pneumatic gun with pressure as constant as possible.
- Distribute the joint sealant in a uniform width within the skin formation time.
- The curing time can be shortened by increasing room moisture and temperature.
- After curing **weber.tec 821** is completely odourless.

Practical information

Colour:
grey

Tools:
Manual gun or pneumatic gun

Storage:
The product can be stored 12 months in its original unopened packaging, if kept dry and at temperatures between +15°C and +25°C.

Technical Data Sheet



Consumption / yield

depending on application: 50 - 150 ml/m

Packagings

Type	Sales unit	Number / cardboard
Cartridge	310 ml	12 cartridges

The information in this technical data sheet is based on our current knowledge and experience at the time of printing. However, they do not guarantee in the legal sense.