

Flex+bond®



elastically strong adhesion

Flex+bond is strong, permanently elastic, temperature resistant from -40°C to +90°C (-40°F to +194°F), weather resistant, resistant to UV rays, immediately overpaintable, sandable, and resistant to ageing and salt water. It is free of silicone, isocyanate, halogens and solvents. It is ISEGA certified and can be used as an adhesive in food and beverage industry.

It can be used to bond nearly all materials to themselves and among each other such as metal, wood, plastic, glass, and ceramics.



Technical Data

Base	1 C.-Polyoxypropylene
density	1,44 g/cm ³
Viscosity adhesive	pasty
Stability/Run-off (ASTM D 222)	1 mm
Processing temperature	(+41°F) +5 to (+104°F) +40 °C
Cure type	By humidity
Curing condition	(+41°F) +5 to (+104°F) +40°C and 30% to 95% rel. humidity
Skin-overtime*	25 min.
Curing speed (first 24h)	2 -3 mm
Volume change (DIN 52451)	-1 %
Gap filling up to max.	5 mm
Gap width up to max.	25 mm
Shelf life (+5°C to +25°C / +41°F to +77°F)	12 months
Shore A hardness (DIN 5355 / ASTM D 224) ± 5	42
Elongation at break (DIN 53504/ASTM D 2240) ± 5	650 %
Tensile strength of pure adhesive and sealant	3,3 N/mm ²
Average tensile shear strength (DIN EN 1465/ ASTM D 12)	2,1 N/mm ²
Tear strength (DIN 53515/ASTM D 1002)	20 N/mm ²
Movement capacity max.	15 %
Overpaintable (liquid paint)	only „wet in wet“, within 3 hrs. at the latest after material app
Building material category (DIN 412)	B 2
Temperature resistance	(-40°F) -40 to (+194°F) +90 °C

Note

The specifications and recommendations given in this technical data sheet must not be seen as guaranteed product characteristics. They are based on our laboratory tests and on practical experience. Since individual application conditions are beyond our knowledge, control and responsibility, this information is provided without any obligation. We do guarantee the continuously high quality of our products. However, own adequate laboratory and practical tests to find out if the product in question meets the requested properties are recommended. A claim cannot be derived from them. The user bears the only responsibility for non-appropriate or other than specified applications.

IMPA-Code

81 52 87

*Measured at 50% relative air humidity and +23°C

Surface pre-treatment

The surfaces must be clean and free of grease. Many surface contaminants, e.g. oil, dust and dirt, can be removed with WEICON Surface Cleaner. For heavily soiled metal surfaces, we recommend WEICON Cleaner Spray S; WEICON Sealant and Adhesive Remover is suitable for removing old paint or adhesive residues. Most materials can be bonded well to themselves and among each other. For certain materials or extreme requirements, we recommend the use of an adhesion agent (primer). Detailed information on this subject is contained in the primer selection table. A mechanical surface pre-treatment, e.g. sanding or sand-blasting, can considerably improve the adhesion.

Processing

Processing tube

Squeeze out by hand, close tube again immediately after use, opened tubes should be used up as quickly as possible.

Processing press pack

Remove original closure. Regulate discharge by smooth turning of the cap from min. to max. Press the lever and process the product. After having turned the cap into the “min.” position the valve closes automatically and the product flow is stopped.

Joining the parts to be bonded

To ensure optimal wetting, the parts must be joined before the first skin has been formed on the adhesive (skin-overtime).

Storage

When unopened and stored at room temperature (+23°C and 50 % rel. humidity), WEICON elastic one-component adhesives and sealants have a shelf life of 12 months.

Safety and health

When using WEICON products, the physical, safety technical, toxicological and ecological data and regulations in our EC safety data sheets (www.weicon.com) must be observed.

Available sizes:

13350085-35	Flex+bond® 85 ml white
13351085-35	Flex+bond® 85 ml grey
13352085-35	Flex+bond® 85 ml black
13353085-35	Flex+bond® 85 ml transparent

Accessories:

13955072	Press Pack Dosing Tip,
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