

Epoxy Minute Adhesive



viscous
self-levelling
very short pot life

WEICON Epoxyd-Minutenkleber kann an zahlreichen Werkstoffen, wie Metall, Kunststoff, Faserverbundwerkstoff, Keramik, Glas, Stein oder Holz zum Einsatz kommen.

WEICON Epoxyd-Minutenkleber eignet sich für Arbeiten in der Konstruktion und der Montage und immer dann, wenn der Einsatz des WEICON Easy-Mix Systems nicht rationell ist.

Technical data

Basis	epoxy resin, unfilled
Nature	viscid
Supplied in	double syringe
Content	24 ml
Mixing ratio by volume (Resin/Hardener)	1 : 1
Pot life with 10 ml material at +20 °C	3 - 4 Min.
Density of the mixture	1,14 g/cm ³
Viscosity of the mixture at +20 °C	32000 mPa·s
Processing temperature	+10 to +30 °C
Curing temperature	+6 to +40 °C
Colour	almost colourless, glass clear
Gap covering power to max.	2 mm
Handling strength (35% strength/+20 °C) after	35 Min.
Capable of bearing mechanical loads(50% strength/+20 °C) after	1 h
Final strength (100% strength/+20 °C) after	1 day(s)
Pressure	9 MPa
Tensile	40 MPa
Torsion	58 MPa
Shore hardness D	65
Steel, sand-blasted	19 N/mm ²
Aluminium, sand-blasted	18 N/mm ²
Rigid PVC, roughened	12 N/mm ²
Temperature resistance	-50 bis +80 °C

Pretreatment of the surface

To ensure a perfect bond, the surfaces to be joined must be clean and dry (e.g., clean and degrease using Cleaner S or Plastic Cleaner). Smooth surfaces should be roughened, e.g. by sandblasting.

Processing

Resin and hardener have to be mixed before use. Reject the first 5 cm of the dosed bead. Mix the product thoroughly until a homogenous colouring is achieved. Apply adhesive mixture quickly to only one of the surfaces to be bonded. Join both surfaces immediately afterwards.

The pot life given is for a material quantity of 10 ml at room temperature. If larger quantities are used, the curing time will be faster. Similarly, higher ambient temperatures shorten the cure times (as a rule of thumb, every +10 °C increase above room temperature will halve working and curing time). Temperatures below +16 °C will extend working and curing times considerably, while below about +5 °C, no reaction will take place at all.

Storage

When kept at a constant room temperature of about +20 °C and unopened in dry conditions, WEICON Epoxy Adhesives will keep for at least 18 months. Avoid direct sunlight. If these storage instructions are disregarded, the storage life will be reduced to six months.

Epoxy resins are fundamentally liable to crystallise at temperatures of less than +5 °C. This effect is accentuated by wide variations in temperature such as can frequently occur during transport in winter. This also has a negative effect on working qualities, curing and technical details, although these effects can be reversed by warming up to a maximum of +50 °C (no naked flame).

In the case of WEICON Epoxy Adhesives, careful selection and combination of the base resins (bisphenol A and F) ensures a reduction of crystallisation.

Note

Any product specifications and recommendations given herein 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 warrant the continuously high quality of our products being free from defects in accordance with and subject to our General Sales Conditions. 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.

Health and Safety

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.

WEICON GmbH & Co. KG (Headquarter)

Königsberger Str. 255 · DE-48157 Münster
P.O. Box 84 60 · DE-48045 Münster
Germany

Tel. +49 (0) 251 / 93 22-0
Fax +49 (0) 251 / 93 22-244
Fax +49 (0) 251 / 93 22-233 Export
www.weicon.de · info@weicon.de

WEICON Middle East L.L.C.

Jebel Ali Ind Area 3 · P.O. Box 118 216
Dubai · U.A.E

Phone +971 4 880 25 05
Fax +971 4 880 25 09
Mobile +971 50 545 99 83
www.weicon.ae · info@weicon.ae

WEICON Inc.

20 Steckle Place · Unit 20
Kitchener · Ontario · N2E 2C3
Canada

Phone +1 519 896 5252
Fax +1 519 896 5254
Cell +1 519 590 5168
www.weicon.ca · info@weicon.ca

WEICON Kimya Sanayi Tic. Ltd. Şti.

Yenibosna Mahallesi Yalçın Koreş Caddesi
Arıfağa Sokak No: 29 Kat: 3
34530 Yenibosna – İstanbul Turkey
www.weicon.biz.tr · info@weicon.biz.tr

WEICON Romania SRL

Str. Podului Nr.1
547176 Budiu Mic (Targu Mures)
www.weicon.com · office@weicon.com