

Easy-Mix Metal Epoxy Adhesive



Ideal for bonding metal parts | highly viscous | fast-curing

WEICON Easy-Mix Metal can be used on numerous materials such as plastic, fibre composites, ceramics, glass, stone, or wood. Suitable for bonds requiring larger tolerances to be bridged and for grouting works.

Characteristics

Base	epoxy resin
Texture	viscous
Colour	grey-green
Minimum shelf life	at room temperature
	18 mon.
Processing	
Processing temperature	+10°C to +30°C
Curing temperature	+6 °C - +40 °C
Mixing ratio by weight	1:1
Density of the mixture	1,8 g/cm³
Gap bridging up to max.	4 mm

Curing

Pot life	at 20 °C, 10 ml batch	4-5 min.
Handling strength	(35 % strength)	40 min.
Working strength after	(50 % strength)	2 h
Final strength	(100 % strength)	24 h
Shrinkage		0,3 %

Mechanical properties after curing

Tensile strength	DIN EN ISO 527-2	24 MPa
E-modulus (tensile)	DIN EN ISO 527-2	4.000 - 4.500 MPa
Compressive strength	DIN EN ISO 604	10 MPa
Bending strength	DIN EN ISO 178	58 MPa
Hardness (Shore D)	DIN ISO 7619	70
Lap shear strength material thickn. 1,5mm DIN EN 1465		
Steel 1.0338 sandblasted		20 N/mm²
Aluminium sandblasted		19 N/mm²
PVC-rigid roughened		11 N/mm²

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.

Easy-Mix Metal Epoxy Adhesive

Scope of delivery

Adhesive | Helix Mixing Nozzle A

Accessories

10005237 Dispenser Easy-Mix D 50, 1 PCE
10026925 Helix Mixing Nozzle A, 1 PCE, white
10068261 Dosing Tip, 1 PCE
10101999 WEICON Manual Dispenser, 1 x 1:1 | 2:1

Conversion table

(°C x 1.8) + 32 = °F	Nm x 8.851 = lb·in
mm/25.4 = inch	Nm x 0.738 = lb·ft
µm/25.4 = mil	Nm x 141.62 = oz·in
N x 0.225 = lb	mPa·s = cP
N/mm² x 145 = psi	N/cm x 0.571 = lb/in
MPa x 145 = psi	kV/mm x 25.4 = V/mil

Available sizes

10018047 Easy-Mix Metal Epoxy Adhesive, 50 ml, grey-green

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