



SikaPower® -1277 STRUCTURAL ADHESIVE

- High structural and impact resistant properties
- Contains anti-corrosion agents
- Does not contain solvents or PVC
- Cures at room temperature
- Accelerated curing and higher mechanical strength with heat

SikaPower®-1277

SikaPower®-1277 is a structural two component epoxy adhesive, that cures at room temperature. It is designed for high strength and impact resistant bonding of metallic substrates, like steel and aluminium, as well as composite materials like GFRP and CFRP laminates. The adhesive has good non sag properties and contains glass beads of 0.3mm to ensure an optimal bonding thickness.

For specific applications consult the product data sheet or contact your Sika Technical Service.

PRODUCT BENEFITS

- Outstanding adhesion to a wide range of substrates
- High strength and flexibility
- Short handling times
- Excellent chemical resistance

AREAS OF APPLICATION

- Handles to glass without the need for mechanical fixation
- High strength trim and fittings
- Composite structures
- Glass frame bonding



Typical Product Data

Chemical base (A/B)	Epoxy/Amine
Mixing ratio (A:B by volume)	2:1
Application temperature	15-35°C
Open time (CQP580-1)	1 hour ^{ABE}
Handling time (CQP580-1) to reach 1 MPa	11 hours ^{AB}
Curing time (CQP580-1) to reach 20 MPa	24 hours ^{AB}
Tensile strength	30 Mpa ^{AC}
Glass transition temperature (CQP509-1)	67°C
Shelf life (CQP016-1)	12 months ^D

CQP = Corporate Quality Procedure

^B adhesive layer: 25 x 10 x 0.3 mm / on steel

^D storage between 15 and 25°C

^A 23°C / 50 % r.h

^C cured for 2 weeks at 23°C

^E applied on both surfaces

Our most current General Sales Conditions shall apply.

Please consult the most current local Product Data Sheet prior to any use..



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