

PRODUCT DATA SHEET

SikaPower®-752 FR

2-component epoxy structural adhesive

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Properties	SikaPower®-752 FR (A)	SikaPower®-752 FR (B)
Chemical base	Resin	Curing agent
Color (CQP001-1)	Black	Beige
	mixed	Black
Density (uncured)	1.40 g/cm ³	1.30 g/cm ³
	mixed	1.38 g/cm ³
Mixing ratio	A : B by volume	100 : 50
	A : B by weight	100 : 47
Viscosity (CQP538-2)	Brookfield	150 Pa·s
		90 Pa·s
Pot-life (CQP021-1)		120 minutes ^A
Handling time (CQP580-1, -6 / ISO 4587)	time to reach 1 MPa	8 hours ^A
Shore D hardness (CQP023-1 / ISO 868)		85
Tensile strength (CQP543-1 / ISO 527)		42 MPa
Elongation at break (CQP543-1 / ISO 527)		3 %
Tensile lap-shear strength (CQP046-9 / ISO 4587)		22 MPa
Shelf life (CQP016-1)		6 months ^B

CQP = Corporate Quality Procedure

^{A)} 23 °C / 50 % r. h.^{B)} stored below 25 °C
DESCRIPTION

SikaPower®-752 FR is 2-component high performance epoxy adhesive, with good mechanical properties and anti-aging properties. It is suitable for large surface bonding.

PRODUCT BENEFITS

- Long open time
- Nano reinforcement system
- High strength and high peel strength
- Flame retardant and self-extinguishing
- Contains glass beads of 200 µm (max)
- Passes EN 45545

AREAS OF APPLICATION

SikaPower®-752 FR is suitable for structural bonding with high strength and flame retardant requirements in the industrial applications. Suitable substrate materials are honeycomb panels, aluminium, stainless steel, composite materials, wood, and thermoplastic panels.

This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be performed ensuring adhesion and material compatibility.

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Version 01.01 (11 - 2024), en_IN

013106707520001000

CURE MECHANISM

SikaPower®-752 FR cures by chemical reaction of the two components at room temperature. Higher temperatures speed up the curing process and lower temperatures slow down the curing process.

CHEMICAL RESISTANCE

In view of potential chemical or thermal exposure, it is required to conduct a project related testing.

METHOD OF APPLICATION

Surface preparation

Surfaces must be clean, dry and free from grease, oil and dust. Surface treatment depends on the specific nature of the substrates and is crucial for a long lasting bond. All pre-treatment steps must be confirmed by preliminary tests on original substrates considering specific conditions in the assembly process.

Application

SikaPower®-752 FR is dispensed from 2:1 dual cartridges with adequate manual or pneumatic guns. Extrude adhesive without mixer to equalize the filling levels. Attach the mixer and dispose the first few cm of the bead before the application.

To ensure good mixing quality the defined static mixer is to be used.

SikaPower®-752 FR can also be processed from pails with adequate 2-component equipment.

For advice on selecting and setting up a suitable pump system, contact the System Engineering Department of Sika Industry.

Removal

Uncured SikaPower®-752 FR may be removed from tools and equipment with Sika® Remover-208 or another suitable solvent. Once cured, the material can only be removed mechanically.

Hands and exposed skin have to be washed immediately using hand wipes such as Sika® Cleaner-350H or a suitable industrial hand cleaner and water.

Do not use solvents on skin.

FURTHER INFORMATION

The information herein is offered for general guidance only. Advice on specific applications is available on request from the Technical Department of Sika Industry.

Copies of the following publications are available on request:

- Safety Data Sheets

PACKAGING INFORMATION

SikaPower®-752 FR (A)

Pail	23 l
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SikaPower®-752 FR (B)

Pail	23 l
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SikaPower®-752 FR (A+B)

Dual cartridge	400 ml
Mixer: OC-MGQ 10-19D	

BASIS OF PRODUCT DATA

All technical data stated in this document are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

HEALTH AND SAFETY INFORMATION

For information and advice regarding transportation, handling, storage and disposal of chemical products, users shall refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety-related data.

DISCLAIMER

The information, and in particular, the recommendations relating to the application and enduse of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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