



AUTHORIZED SIKA DISTRIBUTOR PRODUCT SELECTOR GUIDE FOR WOOD

BUILDING TRUST



WOOD BONDING AND SEALING

Sika offers a wide range of technologies and products for bonding wood in construction and furniture elements, sandwich panels, housewares and in all industrial applications. This guide provides general selector guidance. Always consult the most actual Product Data Sheets prior to product usage or consult your Sika contact.

YOUR APPLICATION	Fast assembly applications			Long open time		
	High green strength	Structural bonding	Gap filling	Bonding with metals, expanded foams, mineral wool	Bonding with textiles and porous substrates	Vertical surfaces bonding
SIKA SOLUTION	SikaMelt®-670	SikaFast®-555 L05	SikaForce®-7780 L12	SikaForce®- 710 L35	SikaSense®-4300 FD	SikaForce®-420 L45
Chemistry	Polyurethane reactive hot melt	2-component acrylic	2-component polyurethane	2-component polyurethane	Water based PU adhesive	2-component polyurethane
Color	White - beige, opaque	Grey	Grey	Beige	Light blue	White
Shore hardness	45 D	50 D	80 D	80 D	-	80 D
Mix ratio	-	10:1	100:13	4:1	-	4:1
Open time / pot life (min) ¹	1	5	12	35	90	45
Tack free time (min)	-	15	-	-	-	-
Tensile strength (MPa)	25	11	4	11	-	12
Elongation at break (%)	700	200	35	9	-	33
Service temperature (°C)	-40 to +110	-40 to +80	-40 to +80	-40 to +80	-	-40 to +80

PRODUCT DESCRIPTION

SikaMelt®-670

is a versatile, reactive hot melt assembly adhesive with short open time based on polyurethane. It cures with moisture of the air and forms an elastomer, which is not remeltable. It is suitable for permanent strong bonding of polar polymers like ABS, PC, SMC and PVC, wood, foams, textiles, painted and primed steel.

SikaFast®-555 L05

is an acrylic based, fast curing, flexible structural, 2-component adhesive. It has a pasty-like consistency allowing for vertical and horizontal, easy and precise application. It is suitable to replace mechanical fixation and provides very good adhesion on various substrates such as metals, plastics, glass and wood.

SikaForce®-7780 L12

is a flexible 2-component polyurethane joint filling and levelling compound. It consists of a filled polyol resin and an isocyanate hardener. Right after mixing, it liquifies and can be poured into gaps, etc.; after 3 minutes it gets thixotropic and can be shaped and tooled for 9 more minutes. Due to the rapid cure, it can be further processed within a few hours. SikaForce®-7780 L12 is designed for filling gaps as well as for the levelling and equalizing of floor elements in the construction of mass transportation vehicles.

SikaForce®-710 L35

cures to form a rigid, strong and durable polymer. It is primarily used for bonding of metal, fiber cement, wood and glass fiber reinforced polyester to expanded and extruded polystyrene foam, polyurethane foam and mineral wool in the manufacturing of sandwich elements and other constructions.

SikaSense®-4300 FD

is a ready to use waterborne PUR dispersion contact adhesive with high initial strength and very good resistance against plasticizers. In addition to that, SikaSense®-4300 FD offers a short drying time in combination with a very long open time.

SikaForce®-420 L45

is the high viscosity adhesive that cures to form a rigid, strong and durable polymer. Its paste-like consistency makes it ideal for application, even to vertical surfaces and for bonding a range of assemblies, such as assembling of profiles, reinforcements and sandwich constructions of, for instance, glass fiber reinforced polyester, wood, metals, foams and ceramic substrates.

¹Equal to skin time for 1-component and snap time for 2-component technology

*For Sikaflex® grades 2xx and 5xx, please refer to Sika Pretreatment Chart.

GLOBAL BUT LOCAL PARTNERSHIP



LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use 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.

Our most current General Sales Conditions shall apply.
Please consult the Data Sheet prior to any use and processing.



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