

GLOBAL BUT LOCAL PARTNERSHIP



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AUTHORIZED SIKA DISTRIBUTOR PRODUCT SELECTOR GUIDE FOR WOOD

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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®-9670	SikaFast®-5215 NT	SikaForce®-7780 L12	SikaForce®- 7710 L35	SikaSense®-4300 FD	SikaForce®-7720 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	90 A	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	10	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®-9670

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®-5215 NT

is a fast curing, flexibilised structural adhesive designed to replace mechanical fixings such as rivets, screws or welding. Suitable for high strength fastening of concealed joints and exhibit excellent adhesion on different types of substrates including top coats, plastics, glass, wood, etc.

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®-7710 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®-7720 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.