



CLEAR BOND GRAB

TECHNICAL DATASHEET

Version: 2016-05-31

PRODUCT DESCRIPTION

Bostik Clearbond is a good compromise between a sealant and an adhesive. Bostik Clearbond is suitable for making clear elastic sealings and elastic constructive joints. The product is transparent and solvent-, isocyanate- and PVC free. Very good UV-resistance and ageing properties. In general good adhesion on several substrates without the use of a primer. Permanent elastic within temperatures from -40°C till $+100^{\circ}\text{C}$. Neutral, odourless and fast curing. Paint compatible with most industrial paint- or lacquer systems, both alkyd resin and dispersion based (due to the large scale of different types of industrial paints a paint compatibility test is recommended) Good resistance against fungi growth. Bostik Clearbond is based on Silyl Modified Polymer (SMP). NOTE: Bostik Clearbond is clear green inside the cartridge and after curing clear bluish.

AREA OF USAGE

Elastic bondings and sealings in e.g. bus-, caravan-, train- and truck construction. Bonding and sealing of different coloured substrates. Topsealing of glass substrates to wood/metal connections. Topsealing of glass - glass (protect the interface with Simson Primer G). Sealing GRP or aluminium trims/profiles on painted or precoated panels. ADHESION In general Bostik Clearbond adheres well without primer on clean, dry, dust- and grease free substrates of aluminium, stainless steel, galvanised steel, zinc, copper, brass, powder coated metal, most lacquered metal surfaces, glass, PVC, polyester (GRP), painted and lacquered wood, etc. No adhesion on untreated polyethylene, polypropylene and teflon. In those cases where due to great thermal or physical loads, especially under wet conditions, high adhesion demands are needed, the use of Simson Primer M is recommended. Simson Primer M is a so called "wash primer" and degreases and prepares the surface of the substrate in one step. On plain, untreated wooden surfaces and other porous substrates Simson Primer P is recommended. For more details concerning Simson Primer M and Simson Primer P consult the specific technical information data sheet. For not mentioned substrates and additional information consult Bostik.

WORKING INSTRUCTION

Bostik Clearbond can easily be extruded with a hand- or air pressure gun at temperatures between $+5^{\circ}\text{C}$ and 35°C . In sealing applications Bostik Clearbond should be tooled or smoothed within 15 minutes (at $20^{\circ}\text{C}/50\%\text{R.H.}$) with a spatula or putty knife, occasionally moistened with a soap solution. Avoid soap solution penetrating between joint sides and sealant, because this will create loss of adhesion. In bonding applications the substrates have to be assembled within 20 minutes (at $20^{\circ}\text{C}/50\%\text{R.H.}$) after applying Bostik Clearbond. In general an adhesive thickness of 2 mm is recommended. At a temperature of 20°C and a relative humidity of 50% Bostik Clearbond can be painted with the most industrial paints already 15 minutes after application. Best adhesion of paint coats is generally obtained if painted within 4 hours after applying Bostik Clearbond. Cleaning tools or removing uncured residue of Bostik Clearbond can be done with a clean colourless cloth, wetted with Simson SMP Remover. It is recommended to make a trial first to check possible attack of the substrate by this cleaner.

SAFETY

No specific safety precautions required. Consult safety data sheet.

CONTACT US

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TECHNICAL DATA

Basic material	Silyl Modified Polymer (SMP)
Curing method	Moisture
Specific gravity	ca. 1.05 kg/litre
Skin forming time (20°C/50% R.H.)	ca. 15 min.
Open time (20°C/50%R.H.)	< 20 min.
Application temperature	+5°C till +35°C
UV- and weather resistance	Good
Packaging	300ml cartridges
Tensile stress (100%) (DIN 52455 - H-piece)	ca. 0.8 MPa
Tensile stress at break (DIN 52455 - H-piece)	ca. 1.0 MPa
Elongation at break (DIN 52455 - H-piece)	ca. 150%
Solvent percentage	0%
Isocyanate percentage	0%
Temperature resistance	- 40°C till +100°C
Curing speed after 24 hrs (20°C/50%R.H.)	ca. 2.5 mm
Shore A hardness (DIN 53505)	ca. 35
Volume change (DIN 52451)	< 3%
Tensile stress (100%) (DIN 53504/ISO 37)	ca. 0.8 MPa
Tensile stress at break (DIN 53504/ISO 37)	ca. 1.7 MPa
Elongation at break (DIN 53504/ISO 37)	ca. 225%

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