



QUICK BOND FLEX

DESCRIPTION

QUICK BOND FLEX is a high performance, two-component pre-polymerized polyurethane structural adhesive. Designed for quick, durable bonding and repair jobs. Offers a unique combination of flexibility and strength. The use of this product yields fast turnaround due to early sanding and painting capability. NSF-registered for use as a sealant in and around food processing areas (S4).

PROPERTIES

- Available in different open times, white or black.
- Structural bonding, sealing and repair in one product.
- Excellent impact resistance.
- Fast cure response at room temperature.
- Easy processing from cartridge.
- Heat acceleration optional to achieve short cycle times.
- Contains no MDI, improved health and safety classification.
- Excellent specific adhesion to thermoset composite materials such as SMC, BMC, CFRP, RTM, to thermoplastic materials such as PUR-RIM, ABS-PC, PA, PC and coated metals.
- Enhanced adhesion to PP and PE (non-structural).
- Resistant to exposure to elevated temperatures, moisture, fuel, most solvents and chemicals.
- Ideal for vertical applications.
- Compatible with anticorrosive coats and paints.

FIELD OF APPLICATION

- For structural bonding, sealing and repair of both thermoplastic and thermoset composite materials and coated metals.
- Broad uses for repairs to plastic components of cars, motorbikes, trucks, boats, vans etc.
- Uses for repair of wood parts.

USER INSTRUCTIONS

Check QR code below.



QUICK BOND FLEX – QBF – 150, 151, 152, 153, 154, 156

Art.no. 15431, 15432, 15433, 15434, 154335, 15437, 15438

Signature: JH

Date: 2024-08-12

This product information is property of VEIDEC AB and is not to be forwarded to third persons without our agreement. The product information has been made out according to our experiences; the corresponding distributing company must point out probable characteristics as to the use of the product as the application fields are often very different. The recommendations as to technical use are not binding and do not justify any contractual relationship and subsidiary obligations under the contract of purchase. They especially do not relieve the buyer from testing our product on his own as to the suitability for the designated field of application.

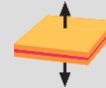


QUICK BOND FLEX

TECHNICAL DETAILS

Packaging:	Side by side cartridge 63g & 280g.
Color	White 25, 63g: Art.no. 15431 Black 25, 63g: Art.no. 15432 White 90, 63g: Art.no. 15433 Black 90, 63g: Art.no. 15434 Black 210, 63g: Art.no. 15435 Black 210, 280g: Art.no. 15437 Black 10 min, 280g: Art.no. 15438
Odor:	None
Gap fill:	Very good
Shrinkage:	0 %
Elongation (ASTM D-638):	55 %
Water absorption, (ASTM D-570):	0,5 %
Tensile strength @ 23°C (ASTM D-638):	18 N/mm ²
Shore Hardness, D (ASTM D-2240):	73 D
Temperature resistance:	-40 °C to +80 °C, peak 120 °C
Cure:	Ambient or heat accelerates cure (max 120°C)
Optimum bondline thickness:	0,5 mm to 1,5 mm
Maximum bondline thickness:	App 5mm
Paint bake:	Max 150 °C
Application & Surface temperature:	Room temperature
Temperature resist:	+2°C to +35°C Avoid temp. below 0°C
Density (20°C):	1.3 g/cm ³
VOC (directive 2010/75 EG):	0 %
Readily biodegradable content:	0 %
Shelf life (temp.+5°C to +25 °C):	24 months
Accessories:	Mixer Pro, 63g: Art.no. 15262 Mixer tip, 63g: Art.no. 15269 Mixer tip 100p, 63g: Art.no. 15269-2 Mixer Gun, 280g: Art.no: 16012 Mixer tip, 280g: Art.no. 16017 Reinforcement Plastic: Art.no. 16904 Release plastic: Art.no. 16905
Certificates & Registrations	NSF, BETA till BASTA, MRF.
Miscellaneous:	In compliance with the legal regulations, please see current Material Safety Data Sheet. https://veidec.com/en/msds
Chemical resistance guide:	Excellent/Very good: Alcohol, Glycols (anti-freeze), Gasoline, Diesel fuel, Hydrocarbons, Saltwater, Water, Brake fluids, Motor oils, Caustic wash (5%), Acid wash (5%). Good/fair: Ketones, Acid soak (50%).

TECHNICAL FEATURES



Tensile strength:
18 N/mm²

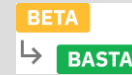
CERTIFICATES & REGISTRATIONS



25 and 90:
Registered at NSF, products meeting the criteria for use in or around food-processing areas: category S4
[VEIDEC NSF listing](#)



Registered at BASTA:



MRF
Bilplastforum

90, 210 & 10 min:
Approved for car plastic repairs, PP, PP/EPDM, ABS och PC/PBT.



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Curing time

Quick Bond Flex	25	90	210	10 min
Open time	20-30 sek	70-115 sek	3-4 min	8-10 min
Handling time	3-4 min	8-10 min	15-20 min	40-50 min
Sanding time	5-6 min	10-20 min	30-50 min	1-1,5 tim

Test data is valid at + 23°C. Temperature increase + 10°C halves the curing times.

Open time: *The time the adhesive / plastic is moldable and soft.*

Fixation/Handling time: *The time the adhesive must be still or fixed.*

Sanding time: *The time when the adhesive is cured and can be sandable and processed.*

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Bonding guide

Substrate	Surface Preparation- Ambient Cure	Surface Preparation- Heat Cure	General Adhesion*	Expected Failure mode*
SMC, BMC, RTM, Gel Coat, Wood, HPL, PUR-RIM	Sanding	None	Excellent	Substrate Failure
Carbon Fiber Reinforced Plastics (CRFP)	Sanding or peel ply	None	Excellent	Substrate Failure
Coated or pimed Metals and Metal alloys	None	None	Excellent	Coating Failure
HLU (Hand lay up) HSU (Hand spray up)	Sanding	Mostly sanding	Good	Mixed Failure
Thermoplastics A (ABS, PA, PC/PBT, PRO/PA PET)	Sanding or solvent wipe	Mostly None	Very Good	Substrate Failure
Thermoplastics B (PRO, PC/ABS, PP/EPDM)	Solvent, detergent or Easy Primer	Solvent, detergent or Easy Primer	Good/ Fair	Mixed Failure
Thermoplastics C (PTFE, PP, PE, PVC, PPS, POM)	Physical pretreatment (flame, plasma, corona)	Physical pretreatment (flame, plasma, corona)	Limited	Adhesive Failure

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