

TECHNICAL DATA SHEET



ECO POLYURETHANE ADHESIVES Two-component



Hoof Adhesive **BLOCK BOND®**

The two-component polyurethane adhesive BLOCK BOND® was specially developed for claw care and the safe & fast bonding of wooden blocks with cattle claws. The main advantage is the high strength as well as the speed of application. The patent-pending BLOCK BOND® formulation eliminates presumed carcinogenic ingredients. The elimination of the hazard label H351 "May probably cause cancer" is a breakthrough for the user and the cow!

- Universal and uncomplicated claw adhesive even for difficult working conditions
- Excellent adhesion to wood and claws
- Stable formulation: application of the adhesive on sloping or vertical surfaces
- Wide gap filling capacity from 0 - 10 mm
- High chemical resistance during the curing process
- Frost-proof storage, no crystallization at low temperatures

Technical properties uncured product

Chemical basis:	Polyurethane
Colour:	
Polyol	green
Isocyanate	transparent
Viscosity [mPas]:	25 °C Brookfield LV 64; 1 U/min
Polyol	pastous
Isocyanate	2.250 – 3.750
Density Polyol / Isocyanate [g/cm ³] ¹⁾ :	ca. 1,10 / 1,16
Mixing ratio:	1:1
Gap filling capacity [mm]:	optimum 3, max. 10
Processing temperature [°C]:	-10 °C bis +30 °C (+20 °C optimal)
Storage temperature [°C]:	-10 °C bis + 23 °C (short term bis +35 °C)

1) Tested according to DIN53217

2) Optimum gap achievable by pressing firmly

Technical properties hardened product

Colour:	green
Shore hardness [D] ¹⁾ :	60 - 80
Required force to twist the block (after 4:00 min) [Nm]:	>200

1) proved to DIN 53505

Storage & Durability

The shelf life is, at the optimum storage temperature of -10 °C to +23 °C in the closed original container, a maximum of 12 months. A higher storage temperature leads to a significantly lower durability. The storage temperature must not fall below -10 °C.

Curing³ 3 mm, 22 °C, 50 % air humidity

Open time [s]:	10 - 20
No sliding of the block after pressing firmly [s]:	3 - 5
Time ¹⁾ till loading the hoof [min]:	ca. 3:30 - 4:30
Exothermic reaction [°C] ¹⁾ :	> 100 °C after 1:30 min

1) Referring to EN ISO 10964, with a uniform gap of 3 mm

2) GLUETEC AA-027

Cartridge sizes / article number

BLOCK BOND® 200 ml Double cartridge in bag	BB.K200_Set
BLOCK BOND® 25 ml Twin syringe in bag	BB.S25_Set

Accessories / article number

BLOCK BOND® Mixing nozzles for 200 ml Double cartridge with bag	BB.MX-Set.200
BLOCK BOND® Dosing gun for 200 ml cartridge	DPM200M_green

TECHNICAL DATA SHEET



Safety data sheets

Please refer to the current data sheet for safety relevant data.

Click or scan here:



Isocyanate



Polyol

Note:

Please note the information and notes in our respective safety data sheets. The data contained herein are for informational purposes only and are believed to be accurate to the best of our knowledge. We assume no liability for the results. For optimum functionality of the adhesive system, please only use the cartridge and mixer systems tested and released by GLUETEC. The product is only suitable for professional and experienced users. It is the user's own responsibility to take precautions to protect property and people from the hazards that may be encountered in handling and using these products. Accordingly, GLUETEC specifically disclaims any warranty, expressed or implied, including any warranty or suitability commitments for a particular purpose. In particular, GLUETEC disclaims all liability for consequential or indirect damages of any kind.