

TECHNICAL DATA SHEET



BLOCK BOND®



ECO POLYURETHANE ADHESIVES HOOF ADHESIVE

The two-component polyurethane adhesive BLOCK BOND® was specially developed for hoof care and bonding cattle hoof blocks - with a focus on maximum safety and efficiency. The BLOCK BOND® formula does not contain any ingredients with the hazard label H351 "May cause cancer". This special feature, combined with the simple application and fast bonding time, ensures the greatest possible animal welfare for this application on the market.

- Universal hoof adhesive even for difficult working conditions
- Excellent adhesion to hooves with wood, PU and rubber blocks
- Stable formulation: adheres to inclined/vertical surfaces without dripping
- Wide gap filling capacity of 10 mm
- High chemical resistance during the curing process
- Frost-proof storage, no crystallization at low temperatures

Technical properties uncured product

Chemical basis:	Polyurea
Colour:	
Polyol	green
Isocyanate	transparent
Viscosity [mPas] ¹⁾ :	
Polyol	pastous
Isocyanate	2.250 to 3.750
Density [g/cm ³]:	
Polyol	approx. 1,10
Isocyanate	approx. 1,16
Mixing ratio:	1:1
Gap filling capacity [mm] ²⁾ :	optimum 3, max. 10
Processing temperature [°C]:	-10 °C to +30 °C ³⁾
Storage temperature [°C]	-10 °C to + 23 °C ⁴⁾

1) 25 °C Brookfield

2) Optimum gap achievable by pressing firmly

3) +20 °C optimal

4) short term to +35 °C

Technical properties hardened product

Colour:	green
Shore hardness [D] ⁸⁾ :	60 to 80
Strength of the bonded joint after 4:00 min ⁹⁾ [Nm]:	>200

8) proved to DIN 53505

9) Torque test of a wooden block to wooden block connection

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 18 months. A higher storage temperature leads to a significantly lower durability. The storage temperature must not fall below -10 °C.

Curing⁵⁾

Open time [s]:	15 to 20
Fixation time of the block [s]:	3 to 5
Time ⁶⁾ till loading the hoof [min]:	ca. 3:30 to 4:30
Exothermic reaction after 1:30 min [°C] ⁷⁾ :	> 100 °C

5) 3 mm, 22 °C, 50 % air humidity

6) based on EN ISO 10964, measured on wood at 22 °C with a uniform gap of 3 mm

7) GLUETEC AA-308

Container sizes

BLOCK BOND® is available in a BLOCK BOND® 200 ml cartridge and a BLOCK BOND® 25 ml twin syringe.

You can also choose to receive the BLOCK BOND® with extra instructions for use in the bag. The 25 ml twin syringe also comes with the matching mixing nozzle in the bag.

Accessories

BLOCK BOND® mixing nozzles for 200 ml double cartridge; 10 pcs. in polybag	104926
BLOCK BOND® dosing gun for 200 ml cartridge	104779

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.