

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 patented BLOCK BOND® formula does not contain any ingredients with the hazard label H351 "May cause cancer". This unique 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

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-027

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

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.

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.

Accessories

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