

TECHNICAL DATA SHEET



BLOCK BOND® SEMI-FAST



ECO POLYURETHANE-ADHESIVES HOOF ADHESIVE

The two-component polyurethane adhesive BLOCK BOND® SEMI-FAST was specially developed for hoof care and the bonding of hoof blocks with cattle hooves, focussing on maximum safety and efficiency. The patented BLOCK BOND® formulation completely eliminates ingredients with hazard label H351 "May cause cancer".

This unique feature, combined with its easy application and fast bonding time, ensures the highest possible animal welfare for this application on the market.

- Universal claw adhesive even for difficult working conditions
- Excellent adhesion to hooves with wood, PU and rubber blocks
- Stable formula: adheres to inclined/vertical surfaces without dripping
- Wide gap filling capacity of 6 mm
- High chemical resistance during the curing process
- Frost-proof storage, no crystallisation at low temperatures

Technical properties uncured product

Chemical basis:	Polyurea
Color:	
Polyol	green
Isocyanat	translucent
Viscosity [mPas] ¹⁾ :	
Polyol	pastous
Isocyanat	pastous
Density:	
Polyol	ca. 1,10
Isocyanat [g/ cm ³]:	ca. 1,16
Mixing ratio:	1:1
Gap filling capacity [mm]:	optimum 3, max. 6
Processing temperature [°C]:	-10 °C to +30 °C ³⁾
Storage temperature [°C]	-10 °C to + 23 °C ⁴⁾

1) 25 °C Brookfield LV 64; 1 U/min

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⁾ :	50 to 75
Strength of the bonded joint after 1:30 min ⁹⁾ [Nm]:	> 160

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

Curing⁵⁾

Open time [s]:	10 to 14
Fixation time of the block [s]:	3 to 5
Time ⁶⁾ till loading the hoof [min]:	1:30
Exothermic reaction after 3:15 min [°C] ⁷⁾ :	> 115°C

5) 3 mm, 22 °C, 50 % air humidity

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

7) GLUETEC AA-027

Container sizes

BLOCK BOND® SEMI-FAST is available in a 200 ml cartridge.

Accessories

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