

# 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 patented 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] <sup>1)</sup> :	
Polyol	pastous
Isocyanate	2.250 – 3.750
Density	
Polyol / Isocyanate [g/cm3]:	ca. 1,10 / 1,16
Mixing ratio:	1:1
Gap filling capacity [mm] <sup>2)</sup> :	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) 25 °C Brookfield

2) Optimum gap achievable by pressing firmly

### Technical properties hardened product

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

1) proved to DIN 53505

### Curing <sup>3</sup> mm, 22 °C, 50 % air humidity

Open time [s]:	10 - 20
No sliding of the block after pressing firmly [s]:	3 - 5
Time <sup>1)</sup> till loading the hoof [min]:	ca. 3:30 – 4:30
Exothermic reaction [°C] <sup>2)</sup> :	> 100 °C after 1:30 min

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

2) GLUETEC AA-027

### Container sizes

The Block Bond® is available in the following containers:  
BLOCK BOND® 200 ml twin cartridge in a bag with instructions for use  
BLOCK BOND® 25 ml twin syringe in a bag with instructions for use and mixing nozzle  
BLOCK BOND® 200 ml cartridge  
BLOCK BOND® 25 ml twin syringe

Member of

**GLUETEC GROUP**

GLUETEC Germany WIKO WIKO Poland

**GLUETEC Industrieklebstoffe GmbH & Co. KG**

Am Biotop 8a  
97259 Greußenheim - Germany  
Tel: +49 (0) 9369 / 9836-0  
info.de@gluetec-group.com  
www.gluetec-group.com/de

**WIKO KLEBETECHNIK Sp. z o.o.**

ul. Ekonomiczna 8  
42-271 Częstochowa – Poland  
Tel: +48 (0) 34 372 58 58  
info.pl@gluetec-group.com  
www.gluetec-group.com/pl

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## 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.

## Safety data sheets

Please refer to the current data sheet for safety relevant data.  
Click or scan here:

## Accessories

The following accessories are available for the BLOCK BOND®:  
BLOCK BOND® mixing nozzles 200 ml double cartridge (10 pcs. in polybag)  
BLOCK BOND® dosing gun for 200 ml cartridge



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.