

Booster

SURFACE PREPARATION



TECHNICAL DATA SHEET

Revised 15/01/2021



PRODUCT DESCRIPTION

Born2Bond™ Booster is a surface preparation product that accelerates cyanoacrylate curing. Designed specifically for curing Born2Bond products on wood and other porous surfaces, it can help reduce adhesive blooming and increase assembly flexibility due to its long open time and short drying time.

KEY FEATURES

- Fast drying time (around 30 seconds)
- Enables adhesive to be applied within 24 hours without losing performance
- Suitable for wood and porous surfaces

DIRECTIONS FOR USE

1. Before applying Born2Bond Booster, ensure the surface is clean, dry and grease-free.
2. Apply Born2Bond Booster to one surface, and allow the product to completely dry.
3. Once dry, apply the adhesive, and assemble within seconds.

APPLICATIONS

Typical applications for this product are wood bonding, porous substrate bonding and curing the overflow out of the adhesive.

STORAGE/SHELF LIFE

Optimal Storage: 8°C to 25°C (35.6°F to 77°F). Storage below 2°C (35.6°F) or greater than 25°C (77°F) can adversely affect the product's properties. If stored properly, this product has a shelf life of 12 months from the packaging date.

HEALTH/SAFETY

The Safety Data Sheet is available on the Bostik website and should be consulted for proper handling, cleanup and spill containment before use. Keep containers covered to minimize contamination.

LIMITATIONS

Born2Bond Booster is not recommended for high peel and high tensile strength application needs or low surface energy substrates and metals. This product is not recommended for use in pure oxygen and/or oxygen-rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials. Material removed from containers may be contaminated during use. Do not return product to the original container. Bostik will not assume responsibility for product that has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Technical Service Center or customer service representative.

PRODUCT CHARACTERISTICS

Technology	Isopropanol based
Appearance	Clear liquid
Viscosity (@ RT)	1 cP

FIXTURE TIME

Fixture Time (0.1MPa)

Substrate	Time(s) of Bostik Instant Gel	Time(s) of Bostik Instant Gel with Born2Bond Booster
Pine Wood	10 - 30 seconds	5 - 15 seconds
Beech Wood	10 - 30 seconds	5 - 15 seconds
Oak Wood	>300 seconds	30 - 60 seconds
PVC	10 - 30 seconds	5 - 15 seconds
ABS	10 - 30 seconds	5 - 15 seconds
Polycarbonate	10 - 30 seconds	5 - 15 seconds
PMMA	30 - 60 seconds	10 - 40 seconds

BONDING PERFORMANCE

The shear strength will depend on the substrate. The table below shows the shear strength of Born2Bond Booster with Bostik Instant Gel for different substrates using label shears.

Lap shear strength (ISO 4587) @ 23°C (73.4°F) (MPa)

After 24h Curing at RT

Pine Wood	8	+/- 2	
Beech Wood	9	+/- 2	
Oak Wood	8	+/- 2	
PVC	4	+/- 1	
ABS	5	+/- 1	SF*
Polycarbonate	4	+/- 2	SF*

*Substrate failure

CONVERSIONS

$$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$$

$$\text{kV/mm} \times 25.4 = \text{V/mil}$$

$$\text{mm} / 25.4 = \text{in}$$

$$\mu\text{m} / 25.4 = \text{mil}$$

$$\text{N} \times 0.225 = \text{lb}$$

$$\text{N/mm} \times 5.71 = \text{lb/in}$$

$$\text{N/mm}^2 \times 145 = \text{psi}$$

$$\text{MPa} \times 145 = \text{psi}$$

$$\text{N}\cdot\text{m} \times 8.851 = \text{lb}\cdot\text{in}$$

$$\text{N}\cdot\text{mm} \times 0.142 = \text{oz}\cdot\text{in}$$

$$\text{mPa}\cdot\text{s} = \text{cP}$$

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