

POWER ADHESIVE BISONITE

UNIVERSAL POLYURETHANE ADHESIVE FOR EVEN THE MOST DIFFICULT CONNECTIONS



PRODUCT DESCRIPTION

Universal 2-part polyurethane adhesive for even the most difficult connections.

FIELD OF APPLICATION

Bonds many materials where other adhesives fail: e.g. metal, iron, stainless steel, aluminium, zinc, concrete, stone, marble, ceramic wall- and floor tiles, wood, glass, rubber and many plastics. Excellent to bond plastics to other materials. Not suitable for polyethylene, polypropylene, P.T.F.E. and silicones.

PROPERTIES

- For the most difficult connections
- (Sea)water resistant
- Cold and heat resistant from -30°C to +100°C
- Strength 180 kg/cm²

PREPARATION

Working conditions: Do not use at temperatures below +5°C. Wood humidity level should not exceed 18%.

Safety: It is recommended to wear rubber or plastic protective gloves.

Condition of materials: Surface should be clean, dry and free of dust and grease.

Preliminary treatment: If necessary, degrease with Bison Thinner for Bison Kit or acetone. Slightly sandpapering smooth surfaces prior to bonding will result in a stronger glue joint.

Tools required: Enclosed spatula.

APPLICATION

Dilute: May not be diluted.

Mixture ratio: 1 part hardener to 4 parts resin

Coverage: 0,15 m² - 0,30 m²/65 ml, depending on surface and on application

method: in dots or spread over entire surface.

Directions for use:

Adhesive consists of 2 parts. Carefully dispense two beads of the same length out of both tubes. This ensures the exact mixture ratio of resin and hardener (4 parts resin to 1 part hardener). Stir both parts well with enclosed spatula until mixture has a uniform colour. Depending on temperature and mixed quantity, adhesive mixture remains workable for approx. 15 minutes. Apply mixture to one side (surface or material to be bonded), join parts and hold well in place (preferably clamp or support). Remove excess adhesive immediately with a cloth.

Potlife: 15 minutes

Stains/residue: Remove fresh stains immediately with Bison Thinner for Bison Kit or acetone. Dried residue can only be removed mechanically.

CURE TIMES

Handling time: approx. 1 hour

Full bond strength: Full bond strength after approx. 48 hours

* Curing time may vary depending on a.o. surface, product quantity used, humidity level and ambient temperature.

TECHNICAL PROPERTIES

Water resistance: Very good

Temperature resistance: -30°C to +100°C

UV resistance: Very good

Chemicals resistance: Very good

TECHNICAL SPECIFICATIONS

Base: Resin: polyol, hardener: isocyanate

Colour: Beige (mixture)

Viscosity: Thixotropic

Solid contents: approx. 100 %

Density: approx. 1,4 g/cm³

Final bond strength: approx. 1800 N/cm²

SHELF LIFE

At least 24 months after date of manufacture, if stored in well-closed packaging in a dry place at temperatures between +10°C and +20°C. Close packaging well after use. Separate parts should not be in contact with each other or with water.