

# 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/cm<sup>2</sup>

### PREPARATION

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

**Personal safety:** It is recommended to wear rubber or plastic protective gloves.

**Surface requirements:** Surface should be clean, dry and free of dust and grease.

**Preliminary surface 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:** Enclosed spatula.

### APPLICATION

**Dilute:** May not be diluted.

**Mixture ratio:** 1 part hardener to 4 parts resin

**Coverage:** 0,15 m<sup>2</sup> - 0,30 m<sup>2</sup>/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

**Chemical base:** Resin: polyol, hardener: isocyanate

**Colour:** Beige (mixture)

**Viscosity:** Thixotropic

**Solid contents:** approx. 100 %

**Density:** approx. 1.4 g/cm<sup>3</sup>

**Final bond strength:** approx. 1800 N/cm<sup>2</sup>

### STORAGE CONDITIONS

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.