POWER ADHESIVE BISONITE

UNIVERSAL POLYURETHANE ADHESIVE FOR THE MOST DIFFICULT JOINTS.



PRODUCT DESCRIPTION

Universal dual-component polyurethane adhesive, for the most difficult joints.

FIELD OF APPLICATION

Bonds many materials where other adhesives fail, such as metal, iron, stainless steel, aluminium, zinc, concrete, stone, marble, ceramic wall and floor tiles, wood, glass, rubber and many synthetics. Especially suitable for adhesive bonding of synthetics material with other materials.
Not suitable for bonding Polyethylene (PE), Polypropylene (PP), PTFE and silicone.

PROPERTIES

· For the toughest connections
· (Sea)water resistant
· Cold and heat resistant between -30°C and +100°C
· Strength 180 kg/cm²

PREPARATION

Working Conditions: Do not apply at temperatures below +5°C. The wood moisture content should not exceed 18%.
Personal safety: It is recommended that rubber or plastic gloves are worn.
Surface Requirements: The surface must be clean, dry, free of dust and grease.
Preliminary Surface Treatment: If necessary, degrease with Bison Degreaser or acetone. With smooth surfaces light sanding provides a stronger bond.
Tools: Enclosed spatula

APPLICATION

Coverage: 0.15 m² - 0.30 m²/65 ml, depending on the substrate and whether the materials to be bonded are coated completely or dot-wise.
Directions for use:
The adhesive consists of two components: Resin and hardener. Press gently out both tubes two equally long lines of product. This way you get exactly the correct mixture ratio of resin and hardener (4 vol. parts resin to 1 vol. part hardener). Mix both components thoroughly with the supplied spatula into a mass of homogeneous color. The adhesive mix, depending on the temperature and the nature of the material, remains workable for about 15 minutes. Apply the adhesive mixture on one side of the substrate or the materials to be bonded, join the parts and keep them firmly in place (preferably clamp or support). Remove excess adhesive immediately with a cloth.
Stains/residue: Remove adhesive residue immediately with acetone. Dry adhesive residue can only be removed mechanically.
Advice: Some types of synthetics can not be joined such as polyethylene and polypropylene. This can be tested by holding a glowing copper wire against the synthetics. Does it smell of wax? Then you can not bond it. Use a piece of adhesive tape in order to keep the parts in place while the adhesive is curing.

TECHNICAL SPECIFICATIONS

Chemical base:	Resin: polyol, hardener: isocyanate
Chemicals resistance:	Very good
Colour:	Beige
Density approx.:	1,4 g/cm³
Dilute:	Do not dilute.
Filling capacity:	Very good
Final bond strength:	500 N/cm²
Final bond strength after:	48 hours
Minimum application temperature:	-30 °C
Maximum temperature resistance:	100 °C
Mixture ratio:	1 part hardener to 4 parts resin
Solid matter approx.:	100 %
Viscosity:	Thixotropic

STORAGE CONDITIONS

Minimum 24 months if stored in properly sealed packaging in a dry place at a temperature between +10°C and +20°C. Close packaging well after use. The individual components may not come in contact with each other or with water.
Store dry in sealed packaging between +10°C and +20°C.

Our advice is based on extensive research and practical experience. However, in view of the large variety of materials and the conditions under which our products are applied, we assume no responsibility for the results obtained and/or any damage caused by the use of the product. Nevertheless, our Service Department is always at your disposal for any advice needed.