



# BISON KIT® TRANSPARENT

## SUPER-STRONG, CRYSTAL CLEAR, UNIVERSAL CONTACT ADHESIVE



### PRODUCT DESCRIPTION

Super-strong, crystal clear, universal contact adhesive based on polyurethane rubber, resins and solvents.

### FIELD OF APPLICATION

Ideally suitable for bonding many transparent materials, such as plexiglas, perspex, polycarbonate. Also bonds (synthetic) leather, vinyl, soft PVC, cork, canvas, textiles and many rigid and soft synthetics including PVC, ABS and polystyrene. Very suitable for repairing items such as shoes, bags, toys, book covers, name plates and creating (hobby) handicraft work. Ideally suitable for bonding PVC pond liner. Not suitable for polystyrene foam (Tempex®), polyethylene (PE) and polypropylene (PP).

### PROPERTIES

- Crystal clear
- Bonds immediately
- Super-strong
- Does not discolour
- Suitable for materials under stress
- Universal
- Moisture and frost resistant
- Simple to use

### PREPARATION

**Working conditions:** Use adhesive and parts to be bonded at room temperature only. The relative humidity must be below 65%. This is to avoid formation of bubbles in the final product. Once attached, adjustment is no longer possible. Always test on an (inconspicuous) part of the surface first.

**Surface requirements:** Surfaces must be dry, clean, dust- and grease-free and a good fit. Clean and degrease the surfaces to be bonded for optimal results.

**Preliminary surface treatment:** For optimal result, degrease first.

**Tools:** Use a solid brush or fine-toothed (1 mm) glue spreader to cover large surfaces. Use a roller or rubber mallet to join the materials firmly.

### APPLICATION

**Coverage:** 2-2.5 m<sup>2</sup>/litre, applied on both sides, depending on the nature of the materials to be bonded.

#### Directions for use:

Stir well before use. Should preferably not be diluted. Apply the adhesive thinly and evenly to both surfaces using the fine-toothed adhesive spreader (1 mm) or brush. Allow both surfaces to dry for 10 to 25 minutes. As soon as the adhesive stops stringing, join parts. Adjustment is then no longer possible. Avoid entrapping of air bubbles. Firmly tap, roll or press materials.

**Time to press (+20°C):** Short. Exercised pressure is more important than time.

**Open time:** 10-25 minutes. Adhesive should be dry to the touch and have stopped stringing. Open time depends on porosity of materials (the more porous, the faster the adhesive is absorbed so open time is shorter) and temperature (a high temperature results in faster evaporation of the solvent, so open time is shorter).

**Stains/residue:** Remove wet adhesive residue immediately with Degreaser/Thinner for Bison Kit®. Dried excess adhesive can only be removed mechanically or with a paint stripper (pre-test).

**Points of attention:** For optimum results, both the adhesive and the parts to be bonded must be at room temperature (definitely do not use below +10°C). The final bonding strength depends on the pressure applied. Therefore, press as firmly as possible across the entire surface. Should the adhesive joint between porous materials be exposed to long-lasting contact with water, the adhesive may detach from the wet surface.

### CURE TIMES\*

**Final bonding strength after:** approx. 24 hours

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

### TECHNICAL PROPERTIES

**Moisture resistance:** Good

**Temperature resistance:** -15°C to +70°C

**Chemicals resistance:** Resistant to oils, bases and acids.

**Elasticity:** Very good

### TECHNICAL SPECIFICATIONS

**Chemical base:** Polyurethane rubber

**Viscosity:** approx. Liquid

**Solid matter:** approx. 21 %

**Density:** approx. 0.9 g/cm<sup>3</sup>

**Flash point:** K1 (<21°C)

### STORAGE CONDITIONS

At least 24 months after date of manufacture. Broken packaging limits storage life. Store properly closed in a cool and frost-free place. Shelf life is a minimum 24 months.



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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.