

UHU® GREENIT +150°C

VERY STRONG, UP TO +150°C HEAT-RESISTANT, PROFESSIONAL CONTACT ADHESIVE.



PRODUCT DESCRIPTION

Universal, high quality, professional contact adhesive based on neoprene rubber. For high quality, durable adhesive bonding, such as joining materials under stress. Heat resistant up to +150°C, making it ideal for applications with heat sources such as sunlight, radiators and engines (automotive sector).

FIELD OF APPLICATION

Ideally suitable for professional surface bonding and laminating many materials that must bond, be loaded and/or be tooled immediately. Ideal for materials under pressure or curved work, whereby it is impossible to clamp or press. Surfaces to be bonded need to fit completely. Highly suitable for bonding and laminating of metal and hard synthetic panel boards (HPL; Formica®, Duropal, Resopal), veneer, hardboard and plywood on, for example, wood, multiplex plywood, chipboard or MDF. Also for bonding flexible insulation and foam materials, cork, leather and rubber. Not suitable for polystyrene foam (Tempex®), PE, PP and vinyl.

PROPERTIES

- Resistant to temperatures between -40°C and +150°C
- Universal
- Bonds immediately
- Very strong
- Permanently flexible
- Moisture resistant
- Chemical resistant
- Suitable for materials under stress

PREPARATION

Working conditions: Use only at temperatures between +15°C and +25°C at a relative humidity of up to 65%. In order to prevent the formation of bubbles due to condensation, the temperature of the adhesive and materials to be bonded should be the same as the ambient temperature and preferably between +18°C and +20°C. Never allow a draught onto pasted surfaces.

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

Dilute: If possible, do not dilute.

Coverage: 2-2.5 m²/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. Parts must be clean, dry and free of grease. Coat both substrates completely. Allow to dry for a minimum of 10-40 minutes. In case of porous materials, apply a second coat and let dry. Then join parts and roll or tap firmly (with a rubber mallet).

Time to press (+20°C): Short, it's a matter of seconds. A high contact pressure is more important than the contact time; the higher the contact pressure, the better the adhesive bond.

Open time: 10 - 40 minutes, depending on the material, the humidity and the ambient temperature. The layer of adhesive must be dry to the touch, and it should no longer thread. The open time (processing time) is strongly dependent on the porosity of the sub-surface (the more porous the sub-surface, the quicker the adhesive moves into it = shorter open time) and the temperature (a high temperature results in the solvent evaporating faster = shorter open time).

Stains/residue: Remove fresh adhesive residue immediately with Acetone. Dried adhesive residue can only be removed mechanically or with a paint remover (test first).

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.

TECHNICAL PROPERTIES

Moisture resistance: Good

Water resistance: Good

Temperature resistance: From -40°C to +150°C

UV resistance: Very good

Chemicals resistance: Resistant to oil, bases and acids.

Elasticity: Very good

TECHNICAL SPECIFICATIONS

Chemical base: Polychloroprene

Colour: Orange



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Viscosity: approx. 5100 mPa.s.

Solid matter: approx. 22 %

Density: approx. 0.86 g/cm³

Flash point: K1 (<21°C)

Shrinkage: approx. 75 %

Peel strength: approx. 300 N/cm

STORAGE CONDITIONS

Store properly closed in a cool and frost-free place. Shelf life is a minimum 24 months.

Note: This information is the result of carefully executed tests. This Technical Data Sheet has been prepared to the best of our knowledge to provide you with advice when gluing. We cannot be held responsible for the results or any damage suffered, as the variety of factors involved (type and combination of materials and working method) are beyond our control. Users have to carry out their own checks and trials. Liability can only be accepted for the consistently high quality of our product.