

Technical Data Sheet

Baby Bear Grip



Product

Baby Bear Grip is a high-quality, super strong, versatile construction adhesive with extremely high initial adhesion on a MS-Polymer® base. Specifically for directly fixed and heavy bonding.

Applications

- Specifically for directly fixed material bonding, without clamps, stamps, fixing tape.
- Powerful universal assembly and construction adhesive, for almost all types of building materials
- Structural bonding in vibrating and vibrating constructions.
- Stain-free bonding of mirrors, natural stone, porous types of stone and untreated wood.
- Bonding skirting boards, insulation and board materials, slats, beams, stones, tiles and more.
- Bonding in bodywork, trailer, ship, container and air duct construction.
- Repair adhesive for damaged MS-Polymer® adhesive bonds.

Properties

- Low odor, blister and shrink-free curing.
- Durable permanently elastic.
- Adheres excellently without primer to almost all, even damp surfaces.
- Extremely high initial tack strength (400 kg/m²), final strength and mechanical resistance.
- User-friendly and versatile for gluing and attaching almost everything indoors and outdoors
- Super-fast force build-up, curing and attainment of final strength
- Can be painted over with dispersion-based paint and varnish systems.
- Isocyanate, solvent and silicone free.
- Does not stain or bleed on porous surfaces, does not cause edge zone pollution.
- Excellent absorption of acoustic and mechanical vibrations/vibrations.
- Perfectly sandable and grindable after complete curing.
- Very low emission, EMICODE EC-1 PLUS certified.
- Durable UV, weather, water, moisture and aging resistant.

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Safety Data Sheet

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PROPERTY	NORM	SPECIFICATION
Base		MS-POLYMER® 1-COMPONENT
Viscosity	ISO 7390	<2 mm
Density	ISO 1183	1,55 g/ml
Skin formation time	+23°C/50% RV	15 minutes
Cure in 24h	+23°C/50% RV	3 mm
Permissible deformation		25%
Temperature resistance once fully cured		-40/+100°C
Mechanical values		2 mm film
Shore A hardness	DIN 53505	55
Modulus at 100%	DIN 53504	1,25 MPa
Tensile strength	DIN 53504	2,70 MPa
Shear Strength		2,00 MPa
Elongation at breaking point	DIN 53504	400%
Shrinkage		None

Shelf life

In unopened original packaging, store in a cool and dry place, between +5°C and +25°C. Shelf life of up to 18 months, after production date.

Application conditions

- Processing temperature (environment and substrate) between min. +5°C and max. +40°C.
- On load-bearing, compatible, clean, grease- and dust-free surfaces.
- It is advisable to apply Baby Bear Grip using a professional caulking gun, in combination with the standard V-seam nozzle because of the low viscosity of the material.
- Apply Baby Bear Grip vertically (ventilating) in grooves (never in dots), at distance of min 10cm and max 20cm in the ideal glue thickness of 2/3 mm.
- For a correct and uniform adhesive thickness, apply tape.
- Completely remove loose components from surfaces, using a suitable brush.
- Completely degrease greasy surfaces using a cleaner.
- Baby Bear Grip has a broad adhesion spectrum, but highly porous substrates can be pre-treated with a primer. Pre-treat non-porous surfaces with minimal adhesion using a specialist substance.
- Apply primer easily, quickly, cleanly, evenly and not excessively, using a primer under the correct temperature and substrate conditions
- As soon as the primer is dry, apply Baby Bear Grip as soon as possible.
- Can be finished wet for skin formation, using a finisher and smoothing immediately afterwards, using finishing spatula or finishing sticks.

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Paintability

Baby Bear Grip can be easily painted over with emulsion paint systems after sufficient skin formation. However, synthetic paint systems can slow down in drying. If

Baby Bear Grip is repainted, this is always carried out professionally in combination with a durable high-quality paint system, which can sufficiently absorb movements from the elastic adhesive sealant substrate. This is to reduce cracking in the applied paint layer.

Always apply paint systems under the correct ambient and substrate temperatures (see TDS paint manufacturer). Always carry out a paint compatibility test beforehand.

Limitations and recommendations

Baby Bear Grip is unsuitable for constant water loading, aquarium construction, joint sealing and in combination with PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates. Always ensure sufficient humidity from the immediate environment/subsoil during curing. Do not chemically stress before, during and after complete curing. Repair with the same product. Always test adhesion and material compatibility beforehand.

Cleaning

Remove fresh, uncured and/or excess material from substrates and tools using a cleaner. Clean hands/skin using wipes.

Cured material can only be removed mechanically, using the right tools.

Health and safety

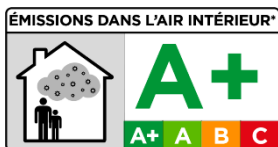
Avoid prolonged skin contact. In case of contact with uncured material in the eyes, rinse immediately with water and consult a doctor. Product safety data sheet is available upon request.

Warranty and liability

Stonegate Precision Tooling guarantees that its product, within the shelf life, is in accordance with the specifications. The liability will never exceed what is stipulated in our general terms and conditions of sale and delivery. Under no circumstances is the seller liable for any consequential damage. The information provided is the result of our testing and experience and is of a general nature. However, it does not imply any liability. It is the responsibility of the user to determine whether the product is suitable for the application through their own tests.

Certifications

EMICODE EC-1 PLUS.



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