KREISEL

TECHNICAL DATA SHEET

ADHESIVE FOR POLYSTYRENE 250

The polyurethane adhesive in the version with a gun applicator is used to attach Styrofoam panels.

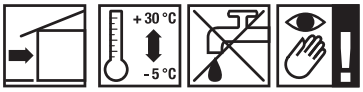
Areas of application

Polyurethane glue is used to fix sheets of white polystyrene (EPS) and extruded polystyrene (XPS) when insulating exterior walls of buildings using the seamless method (ETICS), polystyrene coffers, wall panels, the installation of window sills and insulation gaps. The adhesive can be used in floor insulation systems (foundations) using extruded polystyrene sheets (XPS) and expanded polystyrene sheets (EPS). The polyurethane adhesive adheres excellently to concrete, ceramic and wood substrates as well as to PVC and all types of polystyrene, plasters and substrates with bitumen coating, tar paper and asphalt insulation compounds. Polyurethane glue can also be used to attach plasterboard to concrete substrates.

Properties

- Fast-binding
- Frost-resistant
- Waterproof
- For graphite and white foamed polystyrene
- Also for XPS
- Very high adhesion
- Early resistance to freezing temperatures

Application procedure



Technical data

Item number	38299
Packaging	
Quantity per unit	0,75 kg/unit
Unit per pallet	12 Pack/box
Colour	Light yellow
Consumption	0,09 kg/m^2
Hardening time	approx. 24 h
Correction possibility	4 min

Material base

- Polyurethane

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Application conditions

Use at temperatures from -5 °C to +30 °C.At temperatures from -5 °C to +30 °C, these temperatures apply to air, substrate and product. All substrates must be stable, compact, stable, uniform and clean. Proceed to applying Styrofoam panels after the groundwork has set, contracted and dried up completely.

Surface

Before fixing polystyrene sheets at low temperatures, remove frost from the substrate and dry water stains. Apply seasoned Styrofoam panels fulfilling specific requirements

Preparation

The glue can should be warmed to room temperature (this can be done by dipping the can in, for example, warm water) and then shaking vigorously (about 30 seconds) to mix the ingredients thoroughly. Screw the can onto the application gun and dispense it in the upside-down working position. The glue flow can be adjusted by adjusting the needle or pressing the trigger of the applicator gun. If the application is interrupted for more than 15 minutes, the application gun should be secured, leaving the screwed can for later use. In the case of substrates with a bitumen coating (with unknown parameters), it is worthwhile to conduct an adhesion test, i. H. A plate with the polyurethane adhesive applied to it, on the previously prepared fragment of the substrate and then after about 2 hours to carry out a test in order to loosen the adhesive bond. The bituminous substrate must be seasoned and well glued and the moisture must have evaporated from the entire thickness of the coating. In ETICS thermal insulation systems, starter strips should be applied before gluing EPS panels, and in foundation isolation systems they should be supported on the foundation foundation and, if possible, during setting to provide stable support for the glued thermal insulation panels. Before gluing, hydrophobic insulation boards should be sanded with sandpaper, for example.

Application procedure

We apply the glue for polystyrene to the polystyrene plate with a braid with a diameter of about 3 cm along the perimeter, keeping a distance from the edge of about 2 cm and a strip along the center of the plate. The adhesive area should not be less than 40%. To avoid the formation of an air cushion in the central part of the panel, leave a gap of 5 cm in the adhesive strip on the opposite edges of the panel. The thickness of the joint should be 8 or 15 mm (after laying the plate on the sub-floor). After applying the adhesive strips, wait about 3 minutes (temperature +20 °C) or 5 minutes (temperature -5 °C), then place them on an insulated wall and correct the position with a mounting plaster. The glued panels can be assembled within 4 minutes after gluing to the insulated surface. After 2 hours the plates are ready for further processing (grinding and fixing). Fill the gaps and joints between the glued boards with glue. For foundations, we apply the adhesive to the slab with 4 vertical braids with a diameter of about 3 cm and an equal distance every 20 to 30 cm between the strips, leaving a distance of 3 cm from the edge of the slab (for slabs with a width apply a greater distance of more than 100 cm) number of glue braids). Mechanical fixing possible after 2 hours at a temperature of + 20 ºC.

Instructions

Additional mechanical fastenings are required in the base area and along the edge of the building. Fill the gaps and joints between the glued boards with glue. After finishing work, clean the application gun with a cleaning agent, e.g. B. a polyurethane foam cleaner. Working with glue should not be carried out in precipitation or strong sunlight. Do not use the product if it is constantly exposed to water, e.g. B. with waterproofing or high water table.

Storage

Dry, protect from humidity and UV radiation (sun, light). Can be stored for at least 12 months.

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General information

This product data sheet replaces all its previous versions.The information, included in this technical card, represents our current knowledge and practical experience. This is general information only which shall not obligate the manufacturer to take any responsibility either for workmanship or for the manner of use. For there may be differences and specific execution conditions.The product shall be applied in accordance with required technical knowledge and OHS rules.Avoid contact with skin and protect eyes. In case of contact with eyes, rinse them up with a large quantity of clean water and consult a doctor. It shall be recommended to use gloves, safety goggles and protective clothing.
All technical data listed in this product specification has been determined under laboratory conditions.