TECHNICAL DATA SHEET

PARAFOAM PANELGLUE NBS

CHARACTERISTICS

- One-component PU foam adhesive
- All-season foam, can be used at an ambient temperature starting from -5°C to 30°C
- Glued parts are chargeable after 2 hours
- CFC- and HCFC- free (ozone friendly)
- Accurately controlled application with NBS gun
- Cured PU foam is resistant against water
- Adheres well to most common building materials

APPLICATIONS

- Bonding insulation panels based on polystyrene (XPS, EPS) and polyurethane (PUR and PIR insulation panels), MDF, gypsum fibreboards (gyproc) and OSB panels in insulation systems. Bonding can be done vertically against the facade or wall or horizontally on the ceiling.
- Bonding of aerated concrete blocks in non-load bearing inner walls.
- Bonding of window sills.
- Filling joints and cavities between insulation panels (if not exposed to UV rays).

TECHNICAL CHARACTERISTICS	
Base	Polyurethane-prepolymer
Colour	Pink
Curing system	Moisture
Bonding capacity insulation panels	± 10 m²
Yield (30 mm diameter bead of PU foam)	± 32 m²
Fire class (DIN 4102-1)	B2
Open time (TM 1014)	5 min.
Load bearing	After 2 hours
Ambient temperature during use	-5°C to +30°C (Optimal at 20°C)
Can temperature during use	+5°C to +25°C (Optimal at 20°C)
Temperature resistance of cured foam	-50°C - +90°C
Bond strength EPS on concrete at 23°C (8 mm foam thickness; according to EOTA TR046 - ETICS)	0,12 N/mm²
Shear strength (8 mm foam thickness; according to EOTA TR046 - ETICS)	0,047 N/mm²
Thermal conductivity (EN 12667, TM 1020)	0,034 W/mk
Shelf life, unopened in the original packing and vertically stored in a cool and dry area at +5°C to +30°C	15 months

Technical data according to test methods approved by FEICA. These test methods are designed to provide transparent and reproducible test results, giving an accurate representation of product performance. The FEICA OCF test methods are available at http://www.feica.eu/our-industry/pu-foam-ocf.aspx. FEICA is the multinational association representing the European adhesive and sealant industry, including the producers of one-component foam manufacturers More information at www.feica.eu.

PACKING
12 cans of 750 ml/box - 56 boxes/pallet

METHOD OF USE

Preparation

- Use only in well-ventilated areas. Surfaces should be clean and free of dust and grease.
- Check whether the substrate has sufficient bearing capacity. Check the adhesion of existing coatings.
- Lightly moistening dry surfaces promotes curing.

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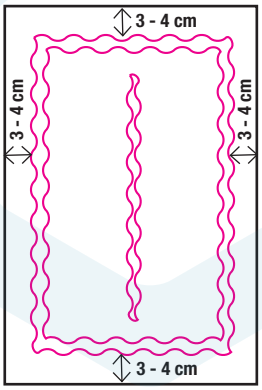
- Chilled cans must be carefully warmed up in lukewarm water before usage. However the can must not be heated above +50°C, as there is a risk of bursting. Cans which are too hot must be cooled in water. The can should be shaken occasionally during this process to obtain the required temperature faster.
- It is recommended to perform a bonding test on the substrate in advance.

Application
- Wear gloves and safety glasses.
- Shake PU foam can vigorously at least 20 times before use.
- Keep the can in upright position when screwing onto the PU foam gun. Move the gun to the can by holding the gun handle with one hand and screwing the can with the other hand. Do not turn the can during screwing. Do not aim the gun at people (Consult the PU foam gun manual). Hold the can upside down when extruding the foam. During application, a distance of 1-2 cm between the nozzle and the substrate must be maintained. The dispensing volume can be controlled by using the gun trigger and the adjustment screw.
- Keep the PU foam can with the PU foam gun upright after use.

Bonding of insulation panels
- Apply the PU foam adhesive along the edges of the panel (± 3 to 4 cm from the edge) and in the middle parallel to the longest side of the panel: see sketch. 40% of the surface must be covered after pressing the insulation panel.
- After application wait 2-3 minutes and then press the insulation board against the wall whilst floating it into the right position. The applied PU foam is tack free after 5 minutes. If the PU foam is already tack free before the insulation panel has been fixed to the wall, the PU foam has to be renewed.
- In the case of vertical bonding, the insulation panels must be placed from bottom to top, so that they are supported and they must be placed in miter at the corners. Strictly follow the instructions of the panel manufacturer.
- During the curing process, the PU foam adhesive might expand slightly. Push the panel back to the wall before the PU foam adhesive has set.
- Sufficient adhesion is obtained after ± 2 hours, further processing is then possible.



Bonding of construction stones for non-load-bearing interior walls
- The bottom row of bricks should be fixed with mortar.
- Moisten the surface.
- Apply the adhesive foam in beads of 30 mm diameter parallel to the stone edge (± 3 to 4 cm from the edge) on both the horizontal and vertical surface of the stone.
- Wait 2-3 minutes, then apply the stone. Do not wait more than 5 minutes!
- Adhesive foam released on the sides can be cut off when hardened.
- Adhesive foam can only be used if an even distribution of the loads from block to block is ensured.

Bonding of window sills
- Check if the surface is level.
- Use spacers to support the windowsill.
- Apply the PU foam in beads of 30 mm diameter parallel to the edge (± 3 to 4 cm from the edge).
- Place weights on the windowsill until the adhesive foam has fully cured (after ± 2 hours).

Cleaning
- Fresh PU foam spills must be removed immediately within the tack-free time with **Parafoam Gun & Spray Cleaner.**
- Cured PU foam can only be removed mechanically or with **Parafoam remover.**

SAFETY
Safety data sheet available online at www.dl-chem.com

LIMITATIONS
- Does not adhere to PE, PP, PTFE, silicone, oil, grease and similar surfaces.
- Not UV resistant.

TECHNICAL APPROVALS

* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

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