

# ADHESIVES & LEVELERS



## STIROBOND

Colour	Packaging	Consumption as an Adhesive
White, Grey	25 KG	3-5kg/m <sup>2</sup>

### DESCRIPTION

Adhesive for thermal insulation panels, EPS, for façades and baseboards. Offers excellent workability and high resistance to moisture. Maximum layer thickness up to 30 mm.

### FIELD OF APPLICATION

For bonding panels for the thermal insulation system for façade and baseboard cladding on brick walls, plastered substrates, and concrete.

### SUBSTRATE PREPARATION

The substrate must be clean, free of dust, oils, or residues that could hinder adhesion between layers. Cleaning of the substrate should be done mechanically or manually. For unstable substrates, the use of fixing dowels is essential. The working time of the mixture is 2–3 hours under normal temperature conditions (20°C).

### APPLICATION

Mix 6–6.5 liters of clean water with one 25 kg bag of Stirobond using an electric mixer in a clean container until a homogeneous and lump-free mass is obtained. Apply the product with a trowel onto the insulation panel in a 30 mm thickness, covering about 45% of the panel using the dabs and stripes method. For applications on flat surfaces, it is advisable to spread the adhesive over the entire surface of both the panel and the substrate using a notched trowel (8 to 10 mm). Before leveling the surface with mortar, insert fixing dowels according to the type of panel used – 5–6 dowels/m<sup>2</sup>. Optimal working temperatures range from 5°C to 35°C. For subsequent coatings, it is important that the substrate has reached proper drying maturity, approximately 5–7 days depending on atmospheric conditions.

### WARNING !

Application on brick walls

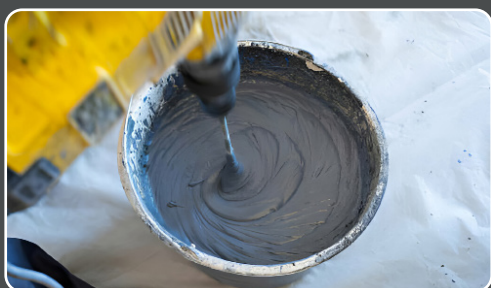
- Ensure that the bricks are well bonded and do not have any loose parts. If there are any unstable sections, they must be repaired with mortar.

Application on silicate brick walls and dusty surfaces

- Dusty surfaces must be treated with diluted Acrylic Primer (1:2 with water).

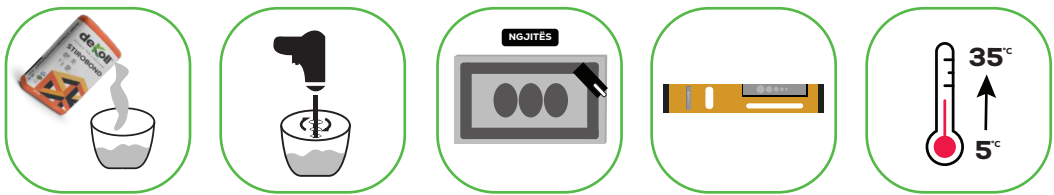
Application on smooth substrates

- These surfaces must first be treated with bonding agent (beton kontakt).



TECHNICAL DATA

<b>Appearance:</b> Powder	<b>Water for mixture:</b> 6-6.5 liters of water for 25 kg
<b>Packaging:</b> Paper bag 25 kg on pallets of 1350 kg.	<b>pH of mixture:</b> >12
<b>Colour:</b> White, Grey	<b>Application Temperature:</b> +5°C to +35°C
<b>Granulation:</b> 0.7 mm	<b>Thermal conductivity coefficient (<math>\lambda</math> 10,dry):</b> 0.45 W/mK
<b>Consumption as an adhesive:</b> 4-5 kg/m <sup>2</sup>	<b>Adhesion strength on concrete after 28 days:</b> 1.2N/mm2
<b>Storage:</b> Store in dry places on wooden pallets.	<b>Adhesion strength on EPS:</b> 104.8 kPa
<b>Storage time:</b> 12 months from the production date	<b>Compressive strength:</b> 11.1N/mm2
<b>Bulk Density:</b> 1.6-1.7 gr/cm <sup>3</sup>	<b>Reaction to fire:</b> Class A1



**WARNING!** Both low and high temperatures can alter the working characteristics of the product (slowing down or accelerating the drying time). Do not use on:  
Wooden, metal, PVC, or other non-cement-based substrates  
Areas with constant moisture  
Substrates subject to unstable vibrations  
In high or low temperatures, or in strong wind conditions.