

STIROKOL P

Adhesive for fixing and levelling thermo- insulation panels made of expanded polystyrene (styropor), extruded polystyrene, pressed mineral or rock mineral wool

FIELD OF APPLICATION

For adhering thermal insulation panels made of expanded polystyrene (styropor), extruded polystyrene, pressed mineral or rock mineral wool, as well as for levelling surfaces of thermal insulation facades.

PROPERTIES

- Excellent adhesion
- Waterproof
- Excellent compressive strength
- Excellent bend strength
- Flexible
- Easy to prepare and apply
- Economical

TECHNICAL FEATURES

PROPERTY	METHOD	DECLARED VALUE
Appearance	-	grey powder
W/M ratio (water-to-material ratio)	-	0.22-0.24
Adhesion to substrate, 28 days after application	-	≥ 1MPa
Compressive strength	-	after 3 days: > 4MPa after 28 days: > 10MPa
Bend strength	-	after 3 days: > 2MPa after 28 days: > 3MPa
Open time at temperature of 20°C	-	30 min
Initial setting time at 20°C, relative humidity of 65%	-	12h
Final setting time at 20°C, relative humidity at 65%	-	16h

METHOD OF APPLICATION

SUBSTRATE PREPARATION

Substrate should be sound, firm, clean, without grease, dust, unstable parts, salts or mould. Stirokol P is suitable for application on concrete, ceramic block masonry structures, light- weight concrete blocks, stone or on mortar rendered surfaces. Entire surface of old mortar substrates is necessary to be tested to strength and adhesion. Remove the unstable or crumbly parts in order to obtain a sound substrate. Repair the substrate using Reparatur malter F1. Existing coatings are not appropriate substrate for application of Stirokol P. Remove the coatings completely by scraping them off and then apply the material. Clean the surfaces from mould, lichen, etc. The temperature of the substrate should range between 5°C and 35°C. Don't apply Stirokol P on rain or strong wind.

APPLICATION

Prepare 25kg Stirokol P with 6.6-7.5l clean water and mix until it homogenizes. Leave the mixture calm for 10-15 min and then mix it again right before the application.

Apply it using trowel or skimming trowel. Stirokol P can be applied by dotting or by spreading the adhesive over the surface. Application by dotting means to apply a thicker layer of adhesive along the frame of the panel and three dots in the middle area. Application of Stirokol P by spreading the material over the entire surface of the insulation panel is with notched trowel with notch size of 15 mm. For substrate with uneven surface,

higher consumption of material is expected. When installing the thermal insulation, panels should be levelled and compacted one to another in order to avoid open joints (thermal bridges). The installation panels should be according to the principles of bricklaying, where horizontal and vertical joints must not overlap. Level the surface of the adhered insulation panels in two layers inserting alkali- free grid between the layers. Apply first layer of Stirokol P with thickness of 1.5-2mm using steel trowel. Insert alkali- free grid into the fresh layer, using steel trowel. Apply second layer with same thickness as the first one, when the first layer is set (~16h, on 20°C, after the application). Apply the final façade coating on completely dry layer of Stirokol P. Treated surfaces should be protected from sunlight, strong wind, rain and dust for 24 hours after the application. Protect the surfaces with curtains.

CONSUMPTION

for adhering – 4.0-6.0kg/m²
for levelling – 3.0-4.5kg/m²

CLEANING

Clean tools and equipment with water immediately after use.

PACKAGING

Valve bags of 25kg

STORAGE

In a dry area, in original, closed packaging, at temperature between 5°C and 35°C.
Shelf life: 12 months.

Health hazards: Avoid contact of the product with the skin and eyes, and avoid direct inhalation of the powder. In case of accidental skin contact, remove it immediately with water and soap. If the material splashes into the eyes, rinse them immediately with plenty of water and seek medical assistance. If swallowed, seek medical advice.

Fire: The product is non-flammable.

Cleaning and disposal: Clean with water. The old and used packaging should be disposed of in accordance with the local rules and regulations for that type of waste.

We recommend that the method of application and the necessary quantities should be adjusted to the conditions of the building, as well as mandatory use of appropriate equipment.