

Technical map

Bilmat LTD
Bulgaria, 9700 Shumen
25 S. Veliki Bul.
+359 52 832 512
bilmat@dir.bg

Stirencol

Adhesive and ground coat mix for EPS and XPS

Composition:

Dry cement based mix, mineral fillers and polymer additives.

Properties:

Adhesive and main plaster for indoor and outdoor application with high sticking ability, water and cold resistance, easy to use.

Application:

To paste and ground coat EPS and XPS

Technical data:

№	Indexes	Characteristics and norms
1	Outlook	Powdered grey mix
2	Pouring density g/cm ³	1,48 ±0,03
3	Fine grinding – left over screen 0,4 mm %	≤ 5
4	Binding time, beginning h	≥ 3
5	Cohesion strength when stretching with concrete after 28 days , N/mm ²	≥ 0,2
6	Cohesion strength when stretching with concrete after 28 days,5 cycles 24 h in water at normal t° and 48 h drying (60±2)°C N/mm ²	≥ 0,1
7	Cohesion strength when stretching with XPS after 28 days N/mm ²	≥ 0,2
8	Cohesion strength when stretching with XPS after 28 days,5 cycles 24 h in water at normal t° and 48 h drying (60±2)°C N/mm ²	≥ 0,1
9	Crack resistance	No cracks

Classification according to the law of chemicals:

- Xi – irritating
 - R36/37/38 – irritates the eyes, lungs and skin
 - S2 – keep out of reach of children
 - S8 – store in dry places
 - S24/25 – avoid skin and eye contact
 - S26 – if there is an eye contact rinse with water immediately

Preservation:

Store in dry places over wooden grills in the original package for 12 months

Supply form:

Paper bags 25 kg each, 40 bags/1000kg per pallet

Quality Control:

Strict production control and initial testing of the product in an accredited laboratory.

Base:

The base has to be dry, dust-free, no crumbly parts, no oil contamination or other building materials. The base has to be smooth. If there is some roughness it should be leveled first.

Application instructions:

The powdered mix is poured into 6-7 liters clean water and then stir until reaching homogenized mix with no lumps. Then leave it for about 5-10 min after which stir again. In this way the mix can be used for 4 hours. The mix that has started to strengthen should not be mixed with more water and used. Do not add other additions like cement, sand and others.

Pasting:

The adhesive is placed on the contour of the isolating plate in thick 5 cm stripes and at least 3-6 balls with the size of human fist in the middle of the plate. The quantity of the glue should be estimated according to how even the surface is so that there is at least 40 % glue mass contact with the surface. Any unevenness up to 5-10 mm can be leveled with the glue channel.

Laying of isolating flatness:

The isolating flatness is put whole from the bottom upwards, close to each other without any gaps. Do not turn round perpendicular the flatness towards those already pasted. Avoid displacement of the plates. Using left parts with minimal width of 15 cm is permitted. These parts have to be dispersed and not put in the edges of the building. The formation of the edges of the building is conducted via crossing of the plates. In these areas only half or whole parts can be placed. Any eventual gaps should be filled with strips of the isolating material or with installation foam and never with the adhesive.

If additional fixture with wall plugs is needed they should be placed at least 24 hours after pasting the plates and after the glue mix dries.

Reinforcing and ground coat:

Keep the placed plates out of humidity. Clean the flatness and after that with the help of a toothed putty-knife apply the ground coat on the surface. On this solution (3.5 mm thickness) apply vertically the reinforcing net. After that cover the net with "Stirencol" (1 mm minimum) and 0.5 – 3 mm in areas where it overlaps.

Consumption:

Pasting 3-4 kg/m²

Ground coat 4 kg/m²

Safety regulation

Any specific information according to composition, danger, cleaning and dumping can be viewed in the safety list.

Important indications:

Temperature interval +5 C to +30 C. Do not work in rain, strong wind, direct sun light and temperatures below +5 C.

High humidity and low temperatures increase the binding time

Apply other products (plasters and paints) after 7-10 days.

Suitable ending:

"Primer Bilmat", "Primer 22", mineral plaster "Bileks", Polymer plaster "Bilmat", decorative mosaic plaster "Bilmat", silicone plaster "Bilmat".

The given technical map is based on wide experience and provides You with the best knowledge but is not legally committed. We guarantee the quality of our materials within the framework of our selling and supplying conditions. In order to reduce mistakes limited information is given. Not all present and future application cases can be described. The current technical map is valid until the issue of another one.