

ISO STYROBOND 1052

Product Data Sheet

Description:

Styrobound is cementitious adhesive mortar and excellent bonding for heat isolating boards, it is manufactured of polystyrene XPS or styropor EPS which is used in exteriors according to EIFS system. it is treated with special polymers and reinforced with polypropylene fibers to prevent cracking.

Styrobound mortar specially used as adhesive primer thin layer and cladding finish layer on isolating boards to insure bonding with cementitious materials for interior, exterior, walls and floors.

Uses:

- Adhesive layer and good bounding between concrete and smooth surfaces of polystyrene.
- Finishing external mortar on top of polystyrene and styropor boards.
- Offers a primer cementitious surface for bounding of mortar layers.
- As adhesive for polystyrene boards on walls, floors and ceilings.

Advantages:

- Easy to use, ready to be applied by adding water.
- High bounding strength on smooth surfaces (styropor and polystyrene)
- Not able to fall, collapse or displacement.
- High resistance to deferent weathering conditions.
- High resistance to salts and chemicals.
- High flexibility during application.
- Impact resistance
- Good water proofing and vapor permeability
- Used as external mortar for cladding and painting
- Prevent cracks when using fiber in the system.



Technical Properties:

appearance :	gray powder.
mixing ratio :	25kg powder/6-7 liters water.
Density :	1.7± 0.02 kg.
mixture density :	1.56±0.02 kg.
compressive strength :	50 kg/cm2.
adhesion strength after shrinking :	28 days.
temporary dry time :	6 hours.
complete dry time :	24 hours.
workable life:	30 min/25 C.
water absorption:	0.95%.
coverage:	5m2 / 25kg bag.
application temperature:	5-50 C.

Coverage:

25 kg bag / 5m2.



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Application procedures:

Surface preparation:

Surfaces to be dry and clean from contaminants such as dust, oils, greases and any other contaminants; poor parts shall be treated by materials for concrete treatment.

Mixing:

Styrobound powder to be mixed for 5 min at least with water by slow speed drill until homogeneous lump free consistency mixture is obtained, the powder is added to the water with the ratio of 25 kg powder for 6-7 liters of water

Application:

1- adhesive layer on wall: apply Styrobound on wall masonry or on the back of boards by notch trowel with a thickness of 1-2 mm. Place polystyrene board on the wall and press it with slight twist motion to insure the spread of the adhesive.

2- external cladding finish:

After 24 hours of fixing the boards, a layer of Styrobound to be applied on the external surface of the boards by trowel with a thickness of 2 mm, position the fiberglass on the adhesive mortar and press it down, additional layer of Styrobound to be spread on the fiber to insure the total coverage, total thickness is 2-3mm.

A smooth surface to be obtained more sufficient than any other traditional mortar. after 5 days at least, final finishing of paints or coatings can be applied.

Cleaning:

Clean all the tools with water immediately after use. Hardened materials can be removed mechanically only.

Packing:

Grey - 25kg
White - 20kg

Storage:

Store under cover, out of direct sunlight and protect from extreme temperatures. In tropical climates the product must be stored in air-conditioned environment.

Shelf life:

Shelf life is up to 12 months when stored as per recommendations.

Health and Safety:

As with all construction chemical product, caution should be always exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally allowed, do not induce vomiting, but call for medical assistance immediately.



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C.R 13869 I.R 12308