

ISO STYROBOND 1052

Product Data Sheet

Description:

ISO STYROBOUND is a cementitious adhesive mortar and excellent bounding agent for thermal isolation boards, (polystyrene XPS board, styropor EPS etc). ISO STYROBOUND containing a special type of polymers and reinforced with polypropylene fibres to prevent the cracking process.

ISO STYROBOUND mortar is ideal as a thin adhesive primer layer and cladding finish layer on thermal isolating boards to ensure high bounding features with cementitious materials for the interior, exterior, walls and floors usages.

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:

- Premixed adhesive, Ready and easy to use, Just need water addition.
- High bounding strength on smooth surfaces (styropor and polystyrene boards)
- High resistance to fall, collapse or movement.
- High resistance to deferent weathering conditions.
- High resistance to salts and chemicals.
- High flexibility during application.
- 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

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.

Fix Thermal insulation board on the wall and press it with slight press to insure the spread of the adhesive.

2- external cladding finish:

After 24 hours of fixing the boards, spread a layer of Styrobound on the external side of the boards by trowel with a thickness of 2 mm, position the fiberglass on the adhesive mortar and press it down, spread a second layer of Styrobound on the fiber mesh to insure the full coverage, and thickness should be 2-3.mm.

To obtain smooth surface use suitable thickness layer of good Type of mortar.

Wait at least 5 days before apply the final finishing of paints or exterior coats.

Cleaning:

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

Packing:

Grey: 25kg and 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 be 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.

*Prior to each use of any product of ISOBIT, its subsidiaries or affiliates ("ISOBIT"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Datasheet which are available at www.isobitiraq.com or by calling ISOBIT's Technical Service Department at +9647501136936. Nothing contained in any ISOBIT literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each ISOBIT product as set forth in the current product label, Product Data Sheet prior to use of the ISOBIT product. ISOBIT warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO***

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