

Technical Data Sheet

White Sand EFS 50

**Polymer-modified Cementitious
Adhesive for EIFS System.**

Product Description

WHITE SAND EFS 50 is a high quality, polymer-modified cementitious tile adhesive that contains a polymer and silicate modified Portland cement along with a range of additives that provide an exact performance profile suited to its intended use.

WHITE SAND EFS 50 is formulated to be mixed with fresh clean water to provide a high performance and easy workable smooth thin-bed adhesive.

No additional polymer additives are required and should not be added.

The cured WHITE SAND EFS 50 provides greater adhesive to the foam than the cohesive strength of the foam itself, and ensures that the entire system remains unaffected over long periods of time by minor building movements, water efflorescence or rising damp.

Advantages

- Adhesive between the back side of PS board and masonry walls.
- Jointing mortar between PS board edge joints.
- Provide persistent adhesion to foam.
- High resistant to slump.
- Excellent water resistance.
- Rapid cure and bond strength.
- Environmentally friendly.

Standard compliance

WHITE SAND EFS 50 complies with EN 12004 as C2TES1.

Product Performance Properties

Mixing Water	≈ 5 liters of clean water per 20 kg bag
Bulk Density	≈ 1.66 kg/l
Wet Density	≈ 1.84 kg/l
Pot Life	90 minutes
Open time (EN 1346)	30 minutes
Tensile adhesion strength (EN 1348)	≥ 1.0 MPa (after 28 days)
Shore "D" Hardness	≥ 55
"Set time: 12 hours 21 days	Initial Set Full Cure

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Directions for Use

Substrate Preparation

The foam surface and the masonry wall clean, completely dry and free from surface contaminants such as dirt, foam dust, oils and grease.

Masonry surface must be in sound non-friable condition. Painted surfaces must be well adhered and should be compatible with WHITE SAND EFS 50.

Mixing

WHITE SAND EFS 50 should be added slowly to about 5 liters of clean water during mixing.

It is recommended to use a mixing paddle attached to a slow speed electric drill for at least 2 minutes until the material becomes smooth in consistency and slump-free. Allow the material to saturate for 5 – 10 minutes before use. Do not add water to the adhesive mortar mixture once the mixture starts to harden.

Application

Apply the adhesive to the insulation board using a suitable notched trowel.

Always hold the notched trowel at a suitable angle to produce the correct size ribbons.

When forming the ribbons, press the trowel firmly to prevent excess adhesive from collecting between the ribbons.

Keep the trowel clean to prevent any adhesive build-up in the notches.

Yield and Coverage

The 20 kg bag of WHITE SAND EFS 50 mixed with about 5 liters of clean water yields in approximately 15 liters of adhesive mixture.

Cleaning

Clean all tools immediately after job finishing with water. Hardened material will need to be removed mechanically.

Storage and shelf life

WHITE SAND EFS 50 has a minimum 12 months shelf life when stored in dry, shaded place.

In unopened, undamaged original bag.

And away from direct sunlight in ambient temperature below 35 C.

Packaging

20 kg paper bags.

Health and Safety

It is highly recommended to use suitable protective gloves and goggles during handling and application, and to avoid unnecessary direct contact of skin or eyes to the material.

Accidental contact of WHITE SAND EFS 50 to the skin should be washed off immediately with soap and clean water.

Eye Irritation or Contact should be washed off immediately with copious amount of clean cold water.

For prolonged irritation, seek medical advice.

WHITE SAND EFS 50 is a non-flammable and not classified as a hazardous material under current legislations.

Do not dispose the material into water or soil.

For the sound and valid disposal, consult and follow the related local regulations.

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White Sand Product Quality

All WHITE SAND products are manufactured under an independently certified quality management system (ISO 9001: 2015) to conform to the requirements of the national and international standards.

Technical Support

WHITE SAND provides assistance to its customers and gives site support, consultations and technical advice on concrete repair, surface preparation and treatment, tile adhesive and tile grout selection, tile installation techniques and maintenance of different types of tiles.

Additional White Sand Products

WHITE SAND produces a wide range of high-quality construction chemicals and specialty products including following product groups:

- Adhesives and Tiling Systems
- Waterproofing and Protective Coating Systems
- Concrete Repair & Restoration Systems
- Finishing & Paints Systems
- Admixtures for Mortar and Concrete
- Surface Treatments and Primers
- Industrial Flooring Systems
- Engineering Grouts and Anchoring Systems
- Resinous Protective Coating and Lining Systems

Disclaimer

The information given here is based on the best of our knowledge, good faith, experience and laboratory based results and therefore the results will vary depending on the real time application. Also, the values indicated in this Data Sheet here are subject to $\pm 10\%$ variance due to multiple factors. The performance of our Product depends on the workmanship/quality of application job at the site. Hence White Sand Company for Industry is not responsible for any sort of claims/disputes arising out of any negative results by using our ranges of products. White Sand Company for Industry is not held responsible for use of this product for applications other than specified and/or adopting any faulty application/curing methodologies. It is the user's responsibility to have through this Technical Data Sheet prior to applying our products and to ensure with White Sand Company for Industry that any product information is still prevailing at the time of application. Also the user must be sure that the product is suitable for the use intended and also applied it as specified while taking care of all precautionary measures. While all the products comply with the properties shown on current technical data sheets/brochures, White Sand Company for Industry does not warrant or guarantee the products' performance as it doesn't have any control over factors adopted during its actual application.



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