

WHITE SAND

Construction Chemicals

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Method Statement



Porcelain White Sand

High performance Polymer-modified
Cementitious tile adhesive



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White Sand Co. for Industry

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SECTION A. DESCRIPTION

PORCELAIN WHITE SAND Tile Adhesive is single component thin bed polymer modified cementitious tile adhesive with improved properties, excellent bonding strength, excellent slip resistant and extended open time.

PORCELAIN WHITE SAND Tile Adhesive is compliance with EN 12004: C1TE and EN 12002: S1.

Formulated for all types of wall and floor tiles. Ideal for interior and exterior use.

Specially designed for porcelain tiles.

Suitable for non-absorbent tiles, including large tiles.

Tiling on smooth concrete surfaces, lightweight bricks, blocks.

Tiling on cement and gypsum Boards. Tiling on wall surfaces plastered with WHITE SAND products.

Suitable for dry & wet conditions.

SECTION B. SUBSTRATE SURFACE PREPARATION

1. Surface to be tiled must be structurally sound, clean and free from dust, oil and any traces of foreign materials that may affect adhesion.
2. Minimum 4 weeks curing is needed for brick, block and concrete wall. Plaster/render surface must be allowed to cure for minimum 7 days and troweled to semi-smooth finish with wood float.
Screed or render should be thoroughly checked after curing ensuring soundness in adhesion.
All defects should be properly repaired.
3. Highly absorptive substrate needs to be dampened before application.

SECTION C. MIXING

1. Mix one bag of PORCELAIN WHITE SAND Tile Adhesive with approximately 5.0 kg of clean water.
2. Add the powder to the water and mix thoroughly with a mechanical plaster mixer at a low-speed electric drill fitted with a suitable paddle for 3 – 4 minutes until achieving a uniform, lump-free consistency.
3. Leave the mixed material to stand for 5 minutes and briefly remix without adding water.
4. Do not add water to the mix once the mixed mortar starts to harden.
5. Mixed Material has to be used within its pot life.
6. If mixed mortar is left unused for more than 30 minutes, material needs to be remixed for approximately 1 minute before application.

SECTION D. APPLICATION

1. Apply PORCELAIN WHITE SAND Tile Adhesive onto the prepared surface with a trowel and then combed through with a suitably sized notched trowel onto the substrate surface. As a general guide, use 6 mm x 6 mm notch trowel for tiles size 300 mm x 300 mm and below; 10 mm x 10 mm notch trowel for larger format tiles.
2. Clean back of tile with a damp cloth before tiling. Do not spot fix or soak tiles.
3. Spread the mixed mortar adhesive and firmly press it onto the surface that will be tiled; work with a notched trowel. Spread the mortar adhesive to an area that can be tiled within 10-15 minutes. Press the tiles firmly over the mortar adhesive and immediately knock them into the desired position. Adjust the position of the tiles, if required, within its adjustability time of 10-15 minutes after installation.
4. As a general guideline, tile size above 300 mm x 300 mm, with high ribs/lugs/grooves or uneven back must be buttered flat or covered with 1-2 mm of adhesive before placing the tiles on the combed adhesive bed to create cavity-free adhesive layer.

SECTION E. PROTECTION

1. Freshly tiled area to be protected against traffic, water or rain with appropriate types of sheets/boards until the material is completely dry.
2. Grouting to be carried out 24 hours after completion of tiling work.
3. Light pedestrian traffic is allowed 4 days after completion of tiling and grouting.
4. Heavy pedestrian traffic is only permitted 14 days after completion of tiling and grouting.
5. Avoid heavy mechanical stress such as impact vibration and hammering on adjacent and/or back of walls as final bonding strength might be affected.
6. Floor and wall tiles should be kept clean and free from all materials likely to cause stain, e.g. oil, grease.

IMPORTANT NOTICE

This method statement provides general recommendations only and is not intended to be interpreted as generic specification for the application/installation of the listed products. Technical Data Sheet (TDS) should be read in conjunction with this method statement. Each project differs in exposure/condition, therefore specific recommendations may vary from the information contained above. Kindly contact WHITE SAND for recommendations for specific applications.

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