



CRETESTONE

STONEFIX 54

(Tile & Stone Adhesive For Interior & Exterior On Walls & Floors)

Features / Benefits

- Single component, just add water
- High strength, polymer modified
- Economical & Easy to use
- Bonds to various substrates
- Exceeds ANSI A118.4 shear bond strength requirements
- Complies with EN / ISO with a C2TES1 classification.
- Exceeds IS 15477 – Type 2 Adhesive standards.
- Water and shock resistant.

Application

Designed especially for interior and exterior floor and wall installations of all types of ceramic tile, vitreous, semi-vitreous tile, glass mosaic tiles, large format thin tiles, precast terrazzo, engineered stones and natural stones, pavers and brick over concrete and on a variety of substrates. Good underwater shear bond allows this product to be used for wet areas like swimming pools, sauna, water bodies and wash rooms. Can be used for tile-on-tile applications and also as slurry bond adhesive in wet-on-wet applications.

Substrates

- Concrete & Concrete Masonry
- MIVON Concrete, VDF, Trimix Concrete
- Cement Mortar Beds
- Cement Plaster
- Ceramic tile, Vitrified Tile and Natural Stone
- Calcium Silicate Board
- Brick Masonry
- Cement Backer Board
- Cement Terrazzo
- Natural Stone
- Gypsum Wallboard

Consult CRETESTONE manufacturer's data sheet for the specific recommendations & load bearing capacity of specific board intended for use.

Packing

20 kg bags

Color

Grey and white

Installation

Surface Preparation

All surfaces should be between 40° F(4°C) and 104° F(40°C) and structurally sound, clean and free of all dirt, oil, grease, loose peeling paint, laitance, concrete sealers

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or curing compounds. Check the surface to be true to plumb. All slabs must be plumb and true to within ¼"(6mm) in 10 ft(3m). Rough or uneven concrete surfaces should be made smooth with Screed/Plaster material to provide a wood float (or better) finish. Dry, dusty concrete slabs or masonry should be dampened and excess water swept off. Installation may be made on a damp surface. New concrete slabs shall be damp cured and 28* days old before application. *No minimum cure time for concrete slabs when thin-set mortar is mixed with latex additive. Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate. Do not cover expansion joints with thin set mortar.

For all stone with a back protection mesh, it is important to remove the mesh first and also remove the epoxy layer by light grinding to ensure perfect bond with the adhesive.

Mixing

Place clean, potable water into a clean mixing bowl. Add STONEFIX 54 powder into the mixing bowl. Use approximately 5.5 - 6L of water for 20 kg of powder. Mix by hand or with a slow speed mixer to a smooth, trawlable consistency. Allow adhesive to slake for 5-10 minutes. Adjust consistency if necessary. Remix and apply with the proper sized notched trowel.

Note: Addition of CRETOPROOF LATEX ADMIX, partially or completely replacing water would enhance the bond strength, flexibility of the thin set mortar.* Contact CRESTESTONE technical services for large format tile or stone installations on exterior surfaces.

Application

a) Tile/Stone

Apply adhesive to the substrate with the flat side of the trowel, pressing firmly to work into surface. Comb on additional adhesive with the notched side. Use the proper sized notched trowel to ensure full bedding of the tile. Spread as much adhesive as can be covered with tile in 10 minutes. Back butter large format tiles (> 12"x 12") to provide full bedding and firm support. Place tiles into wet, sticky adhesive and beat in using a beating block and rubber mallet to imbed tile and adjust level. Check adhesive for complete coverage by periodically removing a tile and inspecting bedding adhesive transfer onto back of tile. Use of spacers is recommended to provide grout joints between tiles / stones. The joint width shall be as per the recommendation of architect / engineer. Remove the spacers when the adhesive is set firm. If adhesive is skinned over (not sticky), remove and replace with fresh adhesive. For highly absorbent natural stones which may form a wet patch when adhesive is used, it is recommended to use suitable Impregnating sealer on all sides. CRETOPROOF LATEX ADMIX can also be used as a bottom coat for natural stones to prevent wet patches during installation. Please refer Technical Data Sheets of product intended for use for specific instructions of use

b) Glass Mosaic Tiles

The STONEFIX 54 adhesive shall be applied to the surface to be tiled with a notched trowel using a scraping motion to work the adhesive into good contact with the surface to be covered. Notch trowel with notches approximately 4mm is recommended to get a bed thickness of 1.5-2mm. V-notch of 3mm also can be

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used to get bed thickness of 1.5mm. Apply only so much that can be covered with tile within 10-15 minutes or while the adhesive surface is still tacky. The Glass Mosaic tiles shall then be set in place and beaten gently with mallet or grouting float to ensure 100% full bedding. Tiles shall be aligned to achieve uniform joints & then allowed to set until firm. Excess adhesive must be cleaned from the surface of the tile with a wet cloth or sponge while the adhesive is fresh and has not hardened. After the tiles are set firm, the face of the sheets of front mounted glass mosaic tiles shall then be dampened and the face mount paper can be removed.

Coverage

Approx 55-60 sqft per 20kg bag with 1/4" x 1/4" (6mm x 6mm) square notched trowel for average bed of 3mm. Coverage will vary depending on trowel notch size, type and size of tile and substrate smoothness & evenness.

Working Properties at 70° F (21° C) STONEFIX 54 Platinum thin set Adhesive mixed with Water.

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

Open Time	35 minutes
Adjustability Time	40 minutes
Pot Life	4 hours
Time to Heavy Traffic	16 - 24 hours

Storage

Store under cover, out of direct sunlight and protect from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.

Disclaimer

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

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