

MITCH DRYBOND ETS

Cementitious, Highly Polymer Modified Tile Adhesive



DESCRIPTION

MITCH DRYBOND ETS is a single component cementitious tile adhesive containing performance enhancing polymers and other specially selected additives, to improve the product properties. It's ready to use, only requires addition of water on site. **MITCH DRYBOND ETS** is perfect for fixing ceramic tiles, quarry tiles, porcelain tiles, marble, granite, natural stone and similar materials for both internal and external applications. It provides strong adhesion to cement/sand screeds, to in-situ/pre-cast, concrete and brickwork. It is ideal for external facades and at permanently wet areas.

USES

- **MITCH DRYBOND ETS** can be used for tile-on-tile applications.
- **MITCH DRYBOND ETS** can be used for new tiling at external walls, floor and roof.
- **MITCH DRYBOND ETS** can be used for new tiling with ceramics and decorative cladding.
- **MITCH DRYBOND ETS** can be used for new tiling at showers & wet processing areas, laboratories, hospitals, canteens, tiling corridors, pavements etc.
- **MITCH DRYBOND ETS** can be used for all exterior areas, for both horizontal and vertical applications.

BENEFITS AND FEATURES

- Suitable for thin & thick bed applications
- Just add water on site
- Consistent Quality
- No need to moist the substrate and neither pre-soaking of tiles is required
- Excellent product for wet areas. Will not lose adhesion due to watertight barrier
- Long open time
- Tiles can be adjusted till 30 minutes after application
- Very good bond strength which makes it suitable for larger format tiles as well
- Excellent grab properties which make it suitable for external vertical applications

PRODUCT DATA

| Property | Result |
|---------------------------|---|
| Form | Powder |
| Color | Grey or White |
| Fresh wet Density | 1.8 Kg / L |
| Temperature Resistance | 90°C |
| Pot Life | At 20° C approximately 60 Minutes At 30° C approximately 45 Minutes |
| Availability for grouting | For Floor 24 Hours For wall 7-9 hours as per the effect of temperature |
| Full curing | Available for full traffic after 14 days |
| Tensile Adhesion Strength | >2.1 N/mm ² |

SURFACE PREPARATION

All surfaces, which are to receive the **MITCH DRYBOND ETS**, must be solid, clean and loadbearing. They should be free from contamination such as oil, laitance, grease, wax, dirt or any other form of foreign matter, which could affect adhesion.

Undulations on walls are to be levelled with polymer modified mortar using **MITCHBOND SBR**. Very absorbent cement-based substrate and aerated concrete should be primed with **MITCHBOND AC**. Allow primer to dry before bedding **MITCH DRYBOND ETS**. Freshly installed cement screeds must not have residual moisture content above 5%. Concrete, screeds, renders, and block work should be cured sufficiently to allow for most of the shrinkage movements.

Tiles must be dry, and their surfaces free of contaminations that could impair adhesion. Do not soak tiles in water before laying.

MIXING AND PREPARATION

MITCH DRYBOND ETS should be mixed mechanically with a good drill machine and a suitable mixing paddle attachment.

For mixing use a large clean bucket or container. Pour the required quantity of water into the mixing container and then slowly add **MITCH DRYBOND ETS** until it gets over the top of the water. Let the **MITCH DRYBOND ETS** soak some water for a couple of minutes, before starting the mixing.

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Mix well for 4 to 5 minutes to obtain a thick uniform paste.

After thorough mixing, leave it for 5 minutes so as to allow the activation of polymers necessary to achieve the optimal adhesive performance. Mix the material again for a couple of minutes to have it ready for application. Although this step is even being recommended for drill mixing but it is critical for manual mixing and should never be ignored or bypassed.

After mixing, the **MITCH DRYBOND ETS** should be used as soon as possible, within its pot life.

INSTALLATION

For thin bed applications, place a thin layer (3 to 6 mm thick) of **MITCH DRYBOND ETS** to the substrate with the straight edge of the trowel. Thick bed applications (upto 25 mm thickness) may also be carried out with equal convenience.

After spreading the mortar, comb mortar onto the fresh bond coat with the notched edge of the trowel, working in the same direction. Only apply as much mortar as can be covered with tiles within the open time. Check the open time by touching the adhesive bed with your fingertip.

Position tiles in the adhesive bed and align with a slightly pushing motion, ensuring the tile back achieves full contact with the adhesive.

For larger tiles, **MITCH DRYBOND ETS** should additionally be buttered onto the back of the tiles to ensure full adhesive contact.

Ceramic tiles should never be butt jointed. Leave a minimum of 2mm to 5mm groove around tiles. Adjustments to tiles should be made during the adhesive open time.

Remove excess from tile face and rake out joint for subsequent grouting before the adhesive sets. Leave for a minimum of 24 hours before grouting.

PRECAUTIONS

- It is recommended to add MITCHBOND SBR to MITCH DRYBOND ETS mortar for use on painted, existing glazed tiled surfaces, or to bond non porous or high density materials such as glass mosaics.
- Movement joints should be provided in accordance with normal practice. Refer to published local standards or BS 5385.
- Do not apply at temperatures below +5°C and above 40°C.
- In hot weather conditions, pre-condition MITCH DRYBOND ETS at 21° C for at least 24 hours

and use chilled mixing water to extend open wet time.

- The open time reduces with absorbent substrates.
- Stiffened mortar should never be used, it must never be diluted with water or added to fresh mortar.
- If the weight of the tile etc is in excess of 45 kg/m² then use mechanical fixing as well.

COVERAGE

50 to 55 SFT per 40 kg bag for 6mm thick layer

SHELF LIFE

Shelf life is 6 months when stored under cover, out of direct sunlight and away from heat.

PACKAGING

Available in 20 & 40 kg poly propylene bags.

CLEANING OF TOOLS

Immediately after application is completed, clean all tools and equipment with clean water. Hardened material can only be removed by mechanical means.

HEALTH & SAFETY

Wear suitable protective clothing, gloves and eye protection.

Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water at least for 15 minutes and seek medical advice.

MITCH DRYBOND ETS is non-flammable.

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst Mitchell Construction Chemicals endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot - because Mitchell has no direct or continuous control over where and how Mitchell products are applied - accept any liability either directly or indirectly arising from the use of Mitchell products, whether or not in accordance with any advice, specification, recommendation, or information given by the company.