

# MITCHDRY BOND SP

## Cementitious, Polymer Modified Super Tile Adhesive

### DESCRIPTION

**MITCHDRY BOND SP** a single component cementitious powder containing performance enhancing polymers, silica and lot of other additives. It's ready to use only requires addition of water on site. **MITCHDRY BOND SP** is perfect for fixing ceramic tiles, quarry tiles 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 fixing at permanently wet areas. The enriched formula is perfect for fixing materials such as marble, stone cladding and brick slips. If the weight of is exceeding 45kg/m<sup>2</sup> use mechanical fixing as well.

### USES

**MITCHDRY BOND SP** is the excellent choice for swimming pools and may be used with confidence in all wet process applications.

- **MITCHDRY BOND SP** can be used for tile on tile applications.
- **MITCHDRY BOND SP** can be used for new tiling at external walls, floor and roof
- **MITCHDRY BOND SP** can be used for new tiling with ceramics and decorative cladding
- **MITCHDRY BOND SP** can be used for new tiling at showers & wet processing areas, laboratories, hospitals, canteens, tiling corridors, pavements etc.
- **MITCHDRY BOND SP** can be used for granite on horizontal & limited vertical applications as well.

### ADVANTAGES:

- **Thin & Thick Bed Tiling:** suitable for both applications
- **Easy to Use:** Just add water on site
- **Pre-packed:** Consistent Quality
- **Dry Bonding:** No need to moist the substrate and neither pre - soaking tiles required
- **Waterproof:** Excellent product for wet areas. Will not lose adhesion due to watertight barrier.
- **Slow Setting:** Long pot life and slow setting time (Initial Setting @ 6 hours , Final Setting @ 7 hours)
- **Tile Adjusting Limit:** Tiles can be adjusted till 30 minutes after application
- **High Adhesive Bond Strength:** Very good bond strength which make it suitable for larger tiles as well.
- **Non Slip:** Excellent grab properties which make it suitable for external vertical applications.

### PRODUCT DATA:

Property	Result
Form	Powder
Color	Grey or White
Fresh wet Density	1.7 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
Bond Strength	2.1 Mpa
Tensile Strength	0.5 Mpa

### METHOD OF APPLICATION:

#### SURFACE PREPARATION:

All surfaces, which are to receive the **MITCHDRY BOND SP**, must be solid, clean and loadbearing. It 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 **MITCHDRY BOND SP**. 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 lying.

#### MIXING AND PREPARATION:

In order to mix **MITCHDRY BOND SP** mechanically one need a good drill machinery with torque control and a mixing paddle attachment.

After having the right tools for mixing tile adhesive, one also need a rubber bucket. If the construction bucket is not new get it clean thoroughly before pouring in the water and **MITCHDRY BOND SP**.

Then, pour **MITCHDRY BOND SP** in the bucket until it gets over the top of the water. Let the **MITCHDRY BOND SP** soak some water for a couple of minutes, before start mixing it. After a few minutes (2-3) start mixing it, by using the paddle attachment. It is better to mix by using average speeds. In order to obtain a proper tile adhesive, mix it for a couple of minutes (4-5), otherwise it won't glue the ceramic tiles.

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Therefore, mix the **MITCHDRY BOND SP** thoroughly, by using circular moves, until you get a uniformly compound. After one have mixed thoroughly **MITCHDRY BOND SP**, have to leave it for 5 minutes, as to allow the water to penetrate the powder and activate the adhesives. Although, at first glance, it might seem unimportant to you, this aspect is essential for obtaining a good adhesive. Another aspect that you should be aware of is that the thin set will dry out quickly, so you have to be prepared to spread it on the wall/floor and install the ceramic tiles.

After you have mixed the **MITCHDRY BOND SP**, in most of the cases, you can use it within 3 hours.

If you want to test the consistency of the tile adhesive, you should load material on a trowel. If the prepared **MITCHDRY BOND SP** sticks to the trowel and doesn't fall off, while being able to spread it on the floor, it means it has the right consistency.

### INSTALLATION:

Place thin layer (3 to 6 mm thick) of **MITCHDRY BOND SP** to the substrate with the straight edge of the trowel. Then comb mortar on to the fresh bond coat with the notched edge of the trowel working in the same direction, if possible. 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, **MITCHDRY BOND SP** should additionally be buttered on the backs 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

### CAUTIONS:

- **MITCHDRY BOND SP** should not be used without **MITCHBOND SBR** on painted, existing glazed tiled surfaces, or to bond non porous or high density ceramics 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 **MITCHDRY BOND SP** greater than 12mm thickness on horizontal surfaces and 8mm on vertical surfaces.
- Do not apply at temperatures below +5°C and above 40°C.
- In hot weather conditions, pre-condition **MITCHDRY BOND SP** 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 must neither be diluted with water nor with fresh mortar.

### COVERAGE:

100 SFT per 40 kg bag for 6mm thick layer

### SHELF LIFE:

Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment. Shelf life is 6 months when stored as above.

### PACKAGING:

Available in 20 & 40 kg poly propylene bags.