

# SpEC Tile Bond

LATEX MODIFIED CEMENTITIOUS TILE ADHESIVE

## DESCRIPTION

**SpEC Tile Bond** is a pre-packed blend of Portland cement, graded aggregates and a latex powder additive. Addition of clean mixing water provides a creamy tile bedding mortar.

## TYPICAL USES

**SpEC Tile Bond** may be used as thin-bed or thick-bed bedding mortar for interior and exterior installation of tiles. Such installations include, but are not limited to:

- Floor and wall tiles in wet areas, balconies, corridors, etc.
- Slip bricks, glass blocks, and similar decorative elements
- Rigid insulation boards, acoustic boards, etc.

Suitable substrates include concrete, sand/cement plaster and masonry. For gypsum boards and other substrates see Application section or consult our technical Department for advice.

## ADVANTAGES

- Economical
- Good waterproof characteristics
- Long pot life and open time
- Flexible and shock resistant
- Suitable for thin-bed and thick-bed application
- Premixed - no site blending of powders and liquid admixtures
- Available in grey and white colours

## RELEVANT STANDARDS

**SpEC Tile Bond** conforms to the following international standards:

BS 5980 Type 1 Class AA

BS 5385 Part 1

ANSI 118.1 and 118.4

## TECHNICAL DATA

<b>Compressive Strength</b> @ 28 days (BS 6319 Pt2)	≥14N/mm <sup>2</sup>
<b>Tensile Strength</b> @ 28 days (BS 6319 Pt7)	2.23N/mm <sup>2</sup>
<b>Flexural Strength</b> @ 28 days (BS 6319 Pt3)	4.15N/mm <sup>2</sup>
<b>Wet Density</b>	1840kg/m <sup>2</sup>
<b>Pull Off Strength</b> @ 28 days (BS 1881 Pt207)	≥0.9N/mm <sup>2</sup>
<b>Pot Life (after mixing)</b>	80 min at 25 °C
<b>Open Time</b> (after application)	40 min at 25 °C
<b>Usage Rate</b>	
<b>3mm solid-bed</b>	4.70m <sup>2</sup> per bag approx
<b>6mm solid-bed</b>	2.35m <sup>2</sup> per bag approx

## APPLICATION

### Surface Preparation

Substrates should be structurally sound and free from dust, dirt, grease, oil, sealers, old coatings and curing compounds prior to the application of **SpEC Tile bond**. All holes, cracks and other damaged areas should be made good.

On cementitious substrates, saturate the surface with clean water before applying the product, but remove any excess water from the surface.

### Mixing

**SpEC Tile Bond** must be mixed using a slow speed (300-350 rpm) electric drill with a suitable paddle attachment. Measure 4.5 litres of clean water and pour into a suitable container. Add the bagged powder slowly whilst mixing for 2-3 minutes to obtain a smooth, creamy consistency, paying attention to the sides and bottom of the container. Leave to stand for about 10 minutes and remix before application.

## Application

Apply **SpEC Tile Bond** to a depth of 3-6mm on a working area of not over one square metre at a time. Solid bed fixing is recommended for wet areas in general and for floor tiles, while in other situations the adhesive may be ribbed horizontally with a notched trowel before fixing tiles. Do not presoak ceramic tiles. Press dry tiles into place with a twisting motion to ensure good contact (at least 75%) with the adhesive and tap into place. Remove any excess adhesive from the face of tiles with a damp cloth before it sets. Small adjustments to tile positions can be made within about 20 minutes of installation. DO not readjust after this time. Leave to cure for a minimum of 24 hours before grouting.

**Floor Tiles:** No traffic should be allowed on the tiled areas for a minimum of 4 days. Grout tiles after this period.

**Wood and Gypsum Board:** Prime the substrate with **SpECbuild BA10** before applying the adhesive. Follow directions on **SpECbuild BA10** data sheet for priming.

**Movement Joints:** Provide movement joints in tiled areas as per local standards or to BS 5385.

## PACKAGING AND YIELD

**SpEC Tile bond** is supplied in 25kg bags. Each bag when mixed with 4.5 litres of water will provide approximately 13.50 litres of mixed material.

## STORAGE & SHELF LIFE

**SpEC Tile bond** has shelf life of 12 months when stored off the ground in dry and cool conditions

under shade. Discard any open or damaged packs.

## HEALTH AND SAFETY

**SpEC Tile bond** contains alkalis, and protection should be provided to prevent contact with skin and eyes. Dust inhalation must be avoided during mixing.

It is strongly recommended to wear gloves, goggles and dust mask while mixing and using the product. Skin contact shall be washed immediately with plenty of soap and water. Contact with eyes shall be washed immediately with copious amounts of clean water, followed by medical attention.

Tools and equipment should be cleansed immediately using water. Cured material can only be removed mechanically.

Dispose of all waste in accordance with the local environmental regulations.

## Other SpEC Tiling Products:

- **SpECTite WTA** - Cementitious waterproof tile adhesive
- **SpEC Latex WTA** - Latex modified cementitious tile adhesive
- **SpEC Rainbow Grout** - Cementitious tile grout (standard and wide Joint grades)
- **SpEC Rainbow Grout LM** - Polymer modified cementitious tile grout (standard and wide Joint grades)
- **SpECTite ETA** - Cementitious resistant epoxy tile grout

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