

High Performance Cementitious Tile Adhesive with improve Adhesion

DESCRIPTION

Dutile Bond is a component cementitious tile adhesive with improve tile adhesion. It contains cement, polymer binders, selected silica sand and particular additive. Suitable for porcelain tile, mosaic to floors and walls. Dutile Bond is dossier as C2 adhesive.

RECOMMENDED USE

Dutile Bond is used for bonding ceramic tile in continuous thin layer, up to 10mm thick, it is featured with eminent strength, enhanced bond at tensile strength perfectly adherence to all materials normally used in building (concrete, cement plaster, cementitious mortar, ceramic tile/stone and brick) which is easy safe to apply.

FEATURES AND BENIFITS

- No vertical slipping
- Excellent adhesion to the substrate
- Low wastage

TECHNICAL DATA

Density (35C°)	1.79 kg/1
Appearance	Powder
Packaging Size	25 kg
Colors	Natural
Shelf life	12 months as 15-35°C
Layer Thickness	3mm min. / 10mm max
Ambient air temperature	+5°C min. / + 40°C max.
Adhesion Strength at 28 day	1.0 N/mm ²

APPLICATION INFORMATION

Mixing ratio	5.5-6.0L of water/25kg
Open Time & Consumption	Approximately 30-40 minutes under normal temperature and humidity conditions. As a guide, per sqm on flat surface: Mosaics and small tiles 2.0-4.5 kg/m ² Normal size tiles (20cm x 20cm) 4.5-9.0 kg/m ²

APPLICATION INSTRUCTION

Substrate Quality / Pre-Treatment

- The concrete must be allowed to cure completely and mechanically grated and scraped earlier prior to the installation of tiling works.
- The surfaces are free from residue and friable materials such as oil, dust, grease, compounds and other pollutants by brushing or vacuum before the utilization of **Dutile Bond**
- Deficient cement or concrete must be removed or fixed before utilizing **Dutile Bond**
- The maximum variation in the level of the substrate must not exceed 5mm (floors) and 4mm (walls).
- Cementitious substrate must be at least 1 month old. All rendered surfaces must be allowed to fix completely 7 days before the utilization of the tiling works. Waiting time must be allowing 24-48 hours if the materials required to be repair.
- Cement board or walls should be fixed according to the manufacturer's instructions.
- Fibre cement sheets recommended thickness is 9mm for heavy duty applications and 6mm for wall or floor.

Statement of Responsibility (Disclaimer)

The technical information and application advise are based on present state of our best scientific and practical knowledge. As the information herein of a general nature, no assumption can be made as to a products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

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- Compressed fibre sheets recommended thickness for floor is 15mm and for wall 10mm.
- Gypsum plaster-board sheets recommended thickness is 10mm.

MIXING

80% of the measured clean water added into clean container and continuously add the whole bag of **Dutile Bond** while continuously mixing.

Add the remaining water until the desired consistency obtained.

Mix completely for a minimum time 3 minutes and let the mixture settled in the container for about 5 minutes. After that, remix the material for about 15 seconds and it is ready for use.

Dutile Bond must be mechanically mixed using a drill or mixing paddle (<500 rpm) and please avoid using free fall concrete to mix the material.

CLEANING OF TOOLS

Clean all tools and application equipment with clean water after use and hardened or cured material can be removed mechanically.

APPLICATION

Dutile Bond can be applied using trowel after the surfaces of the substrate prepared. It should be applied onto the substrate at a rate of 1m per installation. Skinning of adhesive might occur before the tiles are laid if the adhesive applied greater than 1m².

Once the adhesive applied, ensure that the skinning has not occurred prior to setting the tiles. If surface film has developed, make a pass over the adhesive using notched trowel. Rework the adhesive before setting the tiles within the open time.

Use the Tarver Method when setting the tiles, which press, slide perpendicular and slide return. This method ensures the air entrapment between the beads released easily.

COMPABILITY

Glove and goggles should be worn. Any contact to the eyes and skin should be washed off with clean water. In the event of prolong irritation. Seek for medical advice.

PACKAGING

Dutile Bond is available in 25kg paper bag.

STORAGE/ SHELF LIFE

Dutile Bond must be stored where temperatures are between 5°C - 45°C. Store under cover, out of direct sunlight and protect from extremes of temperature. Shelf life is 24 months when stored as above. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.

PRECAUTION

Care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapor until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use.

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