ascolite®
A Better Solution

TECHNICAL DATASHEET

FIXOBOND AD

Highly Polymer Modified Admixture For Tile Adhesives, Grouts and Dry Mix Mortar.

PRODUCT INTRODUCTION

FIXOBOND AD is prepared with its unique blend of macromolecular latex, additives and selected ingredients offers the ultimate in bond strength and flexibility for the most demanding installation requirements for large format tile or stones to most difficult to bond substrates. It is also recommended to make cement slurry, cement screed, cement plasters and thick mortar beds to get very high mechanical property and improved physical characteristics of the bed.

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Version : 1 (NOV : 2022)

KEY FEATURES

1. Reduces porosity of grout
2. Reduces straining
3. Enhances color
4. High strength, shock and impact resistant
5. Dual bonding
6. Reduce water absorption

RECOMMENDED APPLICATIONS

1. Installation of vitrified tiles or stones on most difficult surfaces.
2. Installation of ceramic tile, brick, natural stone, porcelain tile on Plywood and variety of other sub-strates.
3. When mixing with tile adhesive it becomes more flexible and stronger.
4. For installation of tiles, stone, glass mosaic with FIXOBOND series adhesives on plywood & variety of other critical substrates after replacing desired water 50% .
5. For grouting of tiles, stone, glass mosaic with **ASCOFINE GROUT** or **ASCOFINE GROUT S30** after replacing desired water 10% to 20%.
6. Traditional wet on wet bed method of installing ceramic, vitrified tiles and natural stones using cement slurry.

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TECHNICAL PROPERTIES (Compiles to ASTM C 109, 580)

Appearance	Milky white liquid
Specific Gravity	1.01 Kg/Litre
Flow	14 ± 1 sec.
pH	8 - 9
Pot Life	≥ 45 minutes
FIXOBOND AD used with FIXOBOND	
Mixing Ratio	Replacement of water as recommended
Compressive Strength	8 ± 1 N/mm^2 @ 28 Days
Shear Bond Strength	≥ 2.1 N/mm^2 @ 28 Days cure ≥ 1.2 N/mm^2 after water immersion
FIXOBOND AD used with FIXOBOND +	
Compressive Strength	9±1 N/mm^2 @ 28 days
Shear Bond Strength	≥1.35 N/mm^2 @ 28 days (Dry) ≥1.1 N/mm^2 @ 28 days (Heat) ≥1.1 N/mm^2 @ 28 days (Wet)
FIXOBOND AD used with FIXOBOND PRIME	
Compressive Strength	10±1 N/mm^2 @ 28 days
Shear Bond Strength	≥1.15 N/mm^2 @ 28 days (Dry) ≥1.2 N/mm^2 @ 28 days (Heat) ≥1.2 N/mm^2 @ 28 days (Wet)
FIXOBOND AD used with ASCOFINE GROUT S30	
Compressive Strength	28 ± 3 N/mm^2 (28 Days)
Flexural Strength	7 N/mm^2 @ 7 Days
FIXOBOND AD used with FIXOBOND FLEX for Two Component System	
Tensile Adhesion	> 2.2 N/mm^2 @ 28 Days
Shear Strength	≥1.15 N/mm^2 @ 28 Days (Dry) ≥1.2 N/mm^2 @ 28 Days (Heat) ≥ 1.2 N/mm^2 @ 28 Days (Wet)

The values obtained are from laboratory testing conditions and at 27 ± 2ºC . On site tests may show slight variation due to site conditions and / or methods of testing. Follow company TDS to obtain best results.

APPLICATION METHODS:

1. Surface Preparation

Substrates should be clean and free from all contaminants, loose particles, coatings, dirt, mould, oil etc. Substrates must be sound, rough and dampened to ensure a good bond. Roughen the surface by sanding, then rinse and allow to dry. Surface temperature should be maintained above 10° C or below 38° C to achieve proper bond. Concrete or plaster must be cured 28 days prior to bonding unless it is made with **Ascoscreed** or **Ascoscreed HD**. Concrete must be free of efflorescence and not subject to hydrostatic pressure. Concrete slabs should have a course finish to enhance the bond. Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate.

2. Suitable Substrates

i. Concrete floors and walls
ii. Block & masonry, plaster
iii. Ceramic tiles and stones
iv. For most categories dry wall boards

3. Mixing

Use 2 to 4 Liter (depend up on type of tile, exterior or interior) of **FIXOBOND AD** for mixing with 20 kg tile adhesive.

Mixing ratio:

i. For Class 1 to Class 2 & C2 S1 Adhesives: Use 10% **FIXOBOND AD** as a partial replacement of water for mixing **ASOFINE GROUT** or **ASCOFINE GROUT S30.**
ii. Use 50% **FIXOBOND AD** as a partial replacement of water for mixing **FIXOBOND FLEX.**
iii. Add powder in liquid prepared after partial replacement of water.

4. Application

The adhesive, mixed with **FIXOBOND AD** can be applied with a suitable notched trowel, to be chosen according to the size and type of the tile.

5. Cleanup

Wash all tools and equipment in warm soapy water immediately after use.

6. Caution

This product contains latex based emulsion and other chemical additive. Wash thoroughly after handling. Avoid eye contact or prolonged contact with skin. If eye contact occurs, flush with water for 15 minutes and consult a physician.

7. Packaging

FIXOBOND AD is available in 500 ml, 1 Liter bottle and 5 Lt Jerry cane packing.

8. Shelf Life

12 months from the date of production if stored in original, unopened packaging and in places protected from moisture, sun exposure and frost.