

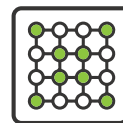
## TECHNICAL DATASHEET

# FIXOBOND® AD

Highly Polymer Modified Admixture for Tile Adhesives,  
Grouts & Dry Mix Mortars



REDUCES POROSITY  
OF GROUT



IMPROVES  
WORKABILITY



IMPROVES  
DEFORMABILITY



## PRODUCT DESCRIPTION

**FIXOBOND AD** is formulated utilizing a unique blend of macromolecular latex, additives and meticulously selected components, resulting in exceptional bond strength and flexibility. This renders it exceptionally suitable for demanding installation requirements, especially for large format tiles or stones on substrates presenting bonding challenges. Furthermore, it is advised for use in producing cement slurry, cement screed, cement plasters and thick mortar beds, augmenting mechanical attributes and enhancing the overall physical properties of the bed.

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## KEY FEATURES

- Reduces porosity of the grout
- Improves workability
- Improves deformability
- High shock & impact resistance
- Increased durability & crack resistance
- Increased colour stability for **ASCOFINE GROUT**
- Dual bonding
- Improves the adhesion strength
- Reduces water absorption
- Improves non-shrink behavior

## TECHNICAL INFORMATION

### ■ APPLICATION PROPERTIES

PROPERTY: TEST METHOD	TYPICAL VALUES
Appearance	Free-flowing milky white liquid
Specific gravity	1.03 ± 0.02
Solid content (%)	35 ± 2%
pH	9 ± 1
Pot life @ 27 ± 2 °C	≥ 45 minutes
Light foot traffic @ 27 ± 2 °C	24 hours
Application temperature	+10°C to +35°C

## APPLICATION COMPATIBILITY

### ■ AREAS OF APPLICATION

As a bonding agent along with **ASCOFINE GROUT**, **ASCOFINE GROUT S30** and as an admixture for **FIXOBOND**, **FIXOBOND +**, **FIXOBOND PRIME** & **FIXOBOND FLEX** for demanding application to increase adhesion on difficult substrates.

## APPLICATION METHOD

### SUBSTRATE PREPARATION

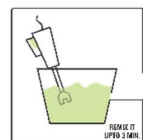
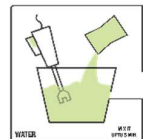
- Substrate preparation should be the same for all **FIXOBOND ADHESIVE** products as usual.
- For **ASCOFINE GROUT** and **ASCOFINE GROUT S30** the substrate preparation should be the same as usual for the respective products.

#### Notes:

*The required tensile strength of the substrate should be  $\geq 1N/mm^2$ .*

### MIXING

- Use **FIXOBOND AD**, replacing the quantity of water (depending on the type of tile adhesive or tile grout to be used) for mixing with tile adhesive.
- Mix thoroughly by hand or slow-speed mixer (<300 RPM). Avoid entraining air by mixing at a very high speed or by over-mixing.
- Make sure that uniform colour & lump-free consistency is achieved.
- Allow the mix to slake for 2 – 5 minutes and remix. Use the paste within 45 minutes of mixing.



#### Mixing ratio:

- For **FIXOBOND** and **FIXOBOND +** adhesives: Use 10 – 15% **FIXOBOND AD** of total water required by weight.
- For **FIXOBOND PRIME** adhesive: Use 25% **FIXOBOND AD** of the total water required by weight.
- For **FIXOBOND FLEX** adhesive: Use 50% **FIXOBOND AD** of the total water required by weight.

- For ASCOFINE GROUT and ASCOFINE GROUT S30 tile grout: Use 10 – 15% FIXOBOND AD of total water required by weight.

### APPLICATION

- Application should be the same for all FIXOBOND ADHESIVE products as usual.
- For ASCOFINE GROUT and ASCOFINE GROUT S30 the application should be the same as usual for the respective products.
- Refer to respective product TDS or consult with ASCOLITE'S technical team for details.

### POST APPLICATION PROCEDURE

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

### PACKAGING

- 500 ml, 1 & 5 ℓ



### CONSUMPTION & PROPERTIES

PARAMETER	ASCOFINE GROUT & ASCOFINE GROUT S30
FIXOBOND AD consumption	Replace 10 - 15% water by weight
Compressive strength @ 28 days	28 ± 1 N/mm <sup>2</sup>
Flexural strength @ 7 days	≥ 7 N/mm <sup>2</sup>

PARAMETER	FIXOBOND
FIXOBOND AD consumption	Replace 10 - 15% water by weight
Compressive strength @ 28 days	8 ± 1 N/mm <sup>2</sup>
Tensile adhesion strength - dry	≥ 0.89 N/mm <sup>2</sup>
Shear adhesion strength - dry	≥ 1.05 N/mm <sup>2</sup>

PARAMETER	FIXOBOND +	FIXOBOND PRIME	FIXOBOND FLEX
FIXOBOND AD consumption	Replace 10 - 15% water by weight	Replace 25% water by weight	Replace 50% water by weight
Compressive strength @ 28 days	9 ± 1 N/mm <sup>2</sup>	10 ± 1 N/mm <sup>2</sup>	12 ± 1 N/mm <sup>2</sup>
Shear bond strength @ 28 days	Dry ≥ 1.35 N/mm <sup>2</sup> Heat ≥ 1.10 N/mm <sup>2</sup> Water ≥ 1.10 N/mm <sup>2</sup>	Dry ≥ 1.45 N/mm <sup>2</sup> Heat ≥ 1.20 N/mm <sup>2</sup> Water ≥ 1.20 N/mm <sup>2</sup>	Dry ≥ 1.50 N/mm <sup>2</sup> Heat ≥ 1.20 N/mm <sup>2</sup> Water ≥ 1.20 N/mm <sup>2</sup>

*\*Note: Consumption estimates are approximate and may vary depending on site conditions.*

### SHELF LIFE

- FIXOBOND AD, when unopened can be stored in locations shielded from moisture, sunlight and freezing temperatures for a duration of up to 12 months.



### HEALTH & SAFETY GUIDELINES

- Take preventive measures to keep children away from this product.
- This product comprises a latex-based emulsion and additional chemical additives, ensuring thorough washing after handling.
- Wear appropriate safety gear, such as gloves and face or eye protection during the installations.
- If the adhesive comes in contact with your eyes or skin, immediately rinse them well with lots of clean water and seek medical advice.
- Only qualified professional applicators or contractors may use this product.





## TOOLS & ACCESSORIES

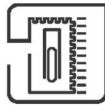
### TILLING TOOLS



ROLLER



BUCKET



NOTCHED TROWEL



HAMMER & CHISEL



BRUSH



WIRE BRUSH



MIXER



RUBBER Mallet



TILE VIBRATOR



SUCTION CUP



SPIRIT LEVEL



PLUMB BOB

### TILLING ACCESSORIES



TILE SPACER



TILE WEDGE WITH CLIP

### GROUTING TOOLS



GROUT SPREADER



SPONGE



PuTTY KNIFE

### DISCLAIMER:

*This technical data sheet supersedes all previous versions from the immediate effect. The company guarantees its products against any manufacturing defects. The user should determine the product's usability for its intended use. Since the company has no control over site conditions and the installation procedures, the company would not be responsible under any circumstances for any loss, damage or liability from incorrect usage. For the products on which the company is offering a warranty, please refer to the warranty document to know the entire terms and conditions. The same can be availed on request or from the company website. All orders are accepted subject to our prevailing terms of sales and delivery. While the technical details & recommendations contained in this document and the related details given by the representatives of the company correspond to the best of our knowledge & experience, all the above information must in any case be considered as merely indicative and subject to confirmation. Our company maintains an active research and development policy, allowing us to continuously enhance our products. As a result, we reserve the right to revise this information at any time without prior notice. For optimal results, we recommend this product be installed by a qualified professional. By using this product, users acknowledge and agree to the terms and conditions outlined in this disclaimer.*