

TECHNICAL DATASHEET

ASCOFINE GROUT S 30

Highly Polymer Modified Sanded Tile Grout



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Version : 1 (NOV : 2022)

PRODUCT INTRODUCTION

ASCOFINE GROUT S 30 a highly polymer modified sanded grout is a pre-blended mixture of Portland cement, containing graded aggregates, premium grade pigments and polymer additives to provide superior flexural and bond strengths. It is designed to be mixed with water. It cures to provide a dense, hard, wear-resistant joint and it is designed for use with **FIXOBOND AD** admix for optimum performance. **ASCOFINE GROUT S 30** , highly polymer modified sanded cement grout is available in many colors.

KEY FEATURES

1. Reduced porosity of grout
2. Reduced staining
3. Enhanced color
4. Increased flexibility
5. High Strength , High Durability
6. Grout becomes easier to clean
7. No algae growth
8. Chloride free

RECOMMENDED APPLICATIONS

ASCOFINE GROUT S30 can be used in tile joint widths up to 5 - 20 mm on vertical or horizontal surfaces in both interior and exterior installations of ceramic, porcelain, glass and natural stone tiles, china mosaics, marbles, terrazzo, vitrified tile ,glass mosaics.

TECHNICAL PROPERTIES (Complies to ASTM C 109, 348, 531-18,EN 12808—2,3,4,5 ,IS CODE 17190)

Appearance	Colored Sanded Powder
Water Powder Ratio	25 ± 3 % by weight
Pot Life	45 ± 15 Minutes
Compressive Strength	25 ± 2 N/mm ² @ 28 Days
Flexural Strength	3 ± 1 N/mm ² @ 28 Days
Linear Shrinkage	< 0.05 % @ 7 days
Bulk Density	1250 ± 50 Kg/m ³
Specific Gravity	2 Kg/L
Water Absorption	0.2 mm (24 hours) (Karsten Tube)
Pull of Adhesion	0.5 ± 0.1 N/mm ² @ 28 Days (3 mm Thickness)
Time to Traffic	24 Hours

JOINT PREPARATION

Before commencing grouting, ensure the tile adhesive has set firmly. Remove tile spacers between tiles if they have been used, rake-out any excess adhesive and ensure the joints are free from dust and all other friable loose materials & contaminants likely to prevent the grout bonding. Dampen surface of tile making certain not to leave any standing water in the grout joints.

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

APPLICATION METHODS:

1. Mixing

- i) Add the **ASCOFINE GROUT S30** powder slowly into the water, mixing constantly until a thick-creamy toothpaste consistency is achieved – with no lumps.
- ii) Allow to stand for 5 minutes and re mix and then the grout is ready to use.
- iii) Always add powder to water and not vice versa.
- iv) Use **25 ± 3 % W/P** ratio (by weight) for mixing **ASCOFINE GROUT S30** and use **FIXOBOND AD** replacing water 10%.
- v) Mix 30ml **FIXOBOND AD** in 250ml ± 20ml. water and use this water to mix **ASCOFINE GROUT S30**.

2. Application

Apply the **ASCOFINE GROUT S30** using a rubber float or trowel or squeegee using a diagonal motion, ensuring that the grout is compacted into the entire depth of the joint. Remove the excess grout from the surface of the tiles using the float or squeegee, ensuring that the grout in the joints is not dislodged. Allow the grout to firm up in the joints before cleaning the tiles with a wet sponge or cloth. Regularly rinse the sponge/cloth to ensure proper wiping of the grout haze on the tiles. Once the tiles have been laid, they must NOT be trafficked upon or disturbed for a minimum of 24 hours at 25 °C before being given another clean up with a cloth.

3. Coverage

The coverage of the **ASCOFINE GROUT S30** will vary depending upon the texture, size and thickness of the tile and the width of the grout joint.

The following formula can be used when determining the amount of grout required for an application.

$$\text{Coverage (Kg/ft}^2\text{.)} = \frac{(L + W)}{(L \times W)} \times \frac{T \times D \times \text{S.G.}}{10.7639}$$

L = Length of tile (mm)

W = Width of tile (mm)

T = Thickness of tile (mm)

D = Width of tile joints

S.G. = Specific Gravity

Example :

L = 100 mm , W = 100 mm T = 6 mm , D = 2 mm ,
S.G. = 2 Kg/L

$$\text{Coverage(Kg/ft}^2\text{.)} = \frac{(100+100)}{(100 \times 100)} \times \frac{6 \times 2 \times 2}{10.7639}$$

$$= 0.02 \times 2.23$$

$$= 0.0446 \text{ Kg/ft}^2 = 44.6 \text{ gm/ ft}^2$$

4. Cleanup

Clean tools with water before the grout dries.

5. Packaging

Available in 1 Kg, 5 Kg, 30 Kg and 50 Kg plastic pail & completely sealed in inert atmosphere.

6. Health and Safety Guidelines

- i. Use personal protective equipment (PPE) to use **ASCOFINE GROUT S30** for storage & application
- ii. If come in contact with eyes, immediately wash eyes with plenty of water and seek medical advice.
- iii. Use of safety goggles, nose mask and hand gloves are recommended to protect eyes, skin and mouth while in use. (Material Safety Data Sheets are available through our company's representative or from our **ASCOLITE's** website)

7.Shelf Life

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

DISCLAIMER:

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. Users are recommended to conduct a product suitability test before it is used at full scale. In any case, the consumer alone is entirely liable for any consequences resulting from using the product. For the most up-to-date TDS, please visit our website at www.ascolite.in. Our company policy is one of ongoing R&D; therefore, we reserve the right to update this information without prior notice at any time. As the correct identification of the problems, the quality of other materials used, on-site environmental conditions and the workmanship on-site are factors beyond our control, there is no express or implied guarantee/warranty as to the results achieved. The company assumes no liability or consequential damage arising from the use of our products for unsatisfactory results. Site visits are not a supervisory responsibility wherever provided. Suggestions made either verbally or in writing by the company may be followed, modified or rejected by the owner, engineer or contractor, since they are solely responsible for carrying out procedures appropriate to a specific application.