

TECHNICAL DATASHEET

ASCOFINE GROUT

Highly Polymerized & Waterproof Ultrafine Grout
for Filling Up The Joints Between Tiles



PRODUCT INTRODUCTION

Ascofine Grout is a highly polymer modified general purpose cementitious grout complying with requirements of Indian Standards. **Ascofine Grout** uses Portland cement as the primary binder and special additives to produce ultimate in color accuracy, stain protection & non-shrink characteristics through gas expansion for residential and commercial tile grouting. The formulation is chloride and iron free.

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KEY FEATURES

1. Low cost, multi-purpose grout
2. Non curing jointing grout
3. Non-staining, non-shrinking, smooth finish
4. High Durability , High Strength
5. Chloride Free
6. Ready-to-use, premixed product – just add potable water
7. Available in Various colors

RECOMMENDED APPLICATIONS

Ascofine Grout can be used in grout joint widths up to 4 mm on vertical or horizontal surfaces in both interior and exterior installations of ceramic, porcelain, glass and natural stone tiles , china mosaics, terrazzo, marble, vitrified tiles.

TECHNICAL PROPERTIES (Compiles to ASTM C 348, 1403, 3081, EN 12808– 2,3,4,5 , IS CODE 17190)

Appearance	Colored Fine Powder
Pot Life	45 ± 15 Minutes
Compressive Strength	10 ± 2 N/mm ² @ 28 Days
Flexural Strength	3 ± 1 N/mm ² @ 28 Days
Pull of Adhesion	0.5 ± 0.1 N/mm ² @ 28 Days (3 mm Thickness)
Water Demand	27 ± 3 % (by weight)
Bulk Density	1150 ± 50 Kg/m ³
Water Absorption	0.2 mm (24 hours) (karsten Tube)
Specific Gravity	1.90 Kg/Litre
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 approximately 300 ml to 350 ml of potable water per Kg of ASCOFINE GROUT, to a bucket.
- ii. Add the ASCOFINE GROUT powder slowly into the water, mixing constantly until a thick creamy toothpaste consistency is achieved – with no lumps.
- iii. Allow to stand for 5 minutes and re mix and then the grout is ready to use.
- iv. Always add powder to water and not vice versa.

2. Application

Apply the **ASCOFINE GROUT** 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** 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.

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

L = Length of tile

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. = 1.90 Kg/L

$$\begin{aligned} \text{Coverage(Kg/sq.ft.)} &= \frac{(100+100)}{(100 \times 100)} \times \frac{6 \times 2 \times 1.90}{10.7639} \\ &= 0.02 \times 2.11 \\ &= 0.0422 \text{ Kg/ft}^2 = 42.2 \text{ gm/ ft}^2 \end{aligned}$$

4. Cleanup

Clean all tools with water before the grout dries up.

5. Health and Safety Guidelines

- i. Use personal protective equipment (PPE) to use **ASCOFINE GROUT** for storage and 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)

6. Packaging

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

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.

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.