



Introduction

BYM Tile Shield is a high quality polymer-modified, water resistant, cement based tile grout which is specially designed to create non shrink, water proof tile joints. It can be used for grouting glazed wall tiles, porcelain tiles, mosaic, vitrified & fully vitrified tiles, natural and engineered stones. It confirms the requirement of IS 15477 & ISO 13007.

Technical Data

Chemical Composition	Cement and additives
Color	Available in different colors & on demand color is also available
Appearance	Free flowing powder
Mixed Density	1.75±0.05 kg/ litre
Open time	Approx. 30 minutes at 25°C
Trafficable time	24 hrs (max.)
Compressive strength@ 28 days, (ASTM C579)	Approx. 16 N/mm ²
Final Curing Time	28 days

Application Areas

- It is use for grouting all types of ceramic tile, glazed tiles, porcelain tiles, vitrified & fully vitrified tiles, natural stones, glass mosaic tiles.
- Due to water-repellence it can be used for submerged grouting application's bathrooms, toilets, kitchen, fountains & swimming pool.

Advantages

1. Good bond strength
2. Water resistant
3. Polymer modified - Crack free, minimum shrinkage & Water resistance, UV resistant
4. Ready to use and just mix with water.
5. For both interior & external application.
6. Can be used for filling up to 5 mm grout width.
7. Availability of various colours.

Method of use

Surface Preparation

Remove dust, oil and sealer from the joints with the help of wire brush or air blower The joints must be dry, clean, free of dust & adhesive. Tiles must be firmly attached to a sound subsurface and tile adhesive must be cured a minimum 24 hours prior to grout application. Joints should be made wet with clean water and the joints are dry before grouting.

The information contained in this technical data sheet is given to the best of our knowledge and the results from extensive testing in order to remain as objective as possible. However, it cannot, in any case be considered as a warranty involving our liability in case of misuse or any different use of our products from the "Application" paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users.



Mixing and Application

Stir tile grout into clean water.. Use approximately 2.5 Part of Powder Should be added with 1 Part of Water by volume in the mixing tub and Power mixes at less than 300 RPM until you get a lump free soft and smooth, stiff creamy consistency. Apply mix material on the surface joints within 30 minutes from the time of mixing of water. Ensure that joints are completely filled. Further wait for 45 min and remove/clean excess material from tiles with the help of moist soft cloth or sponge wetted with water followed by cleaning of tile with soft and dry cotton cloth.

Precautions

- Avoid mixing excess of water and always apply on completely dry tile joints
- Care should be taken to avoid staining tile/stone during grouting. This is especially applicable when grouting unglazed floor tiles/stone, quarry textured surface, etc. Check the potential risk of staining by applying the grout to a few tile/stone in a small trial area.

Coverage

Consumption can be calculated by given formula: -

Coverage (Kg/m²) =

$$\frac{(\text{Tile length} + \text{Tile breadth}) \times \text{Tile thickness} \times \text{Joint width} \times \text{Mixed density}}{(\text{Tile length} + \text{Joint width}) \times (\text{Tile breadth} + \text{Joint width})}$$

*Mixed Density = 1.75 ± 0.05 kg/ litre

Shelf life & Storage

Shelf life is 12 months from the date of manufacturing. Store in a cool & dry place in unopened condition.

Packaging: BYM Tile Shield is available in 500gm, 1Kg and 10kg pack size.

Safety

- Wear the appropriate PPE when handling It.
- Never eat, drink, smoke or apply cosmetics while working
- Wash work clothes separately from street clothes or wear disposable clothing. Wash your body thoroughly after using chemicals and before eating, drinking, smoking, or using the washroom.
- Prolonged contact with the skin should be avoided. Any eye contamination should be washed immediately with plenty of clean water and medical advice sought.