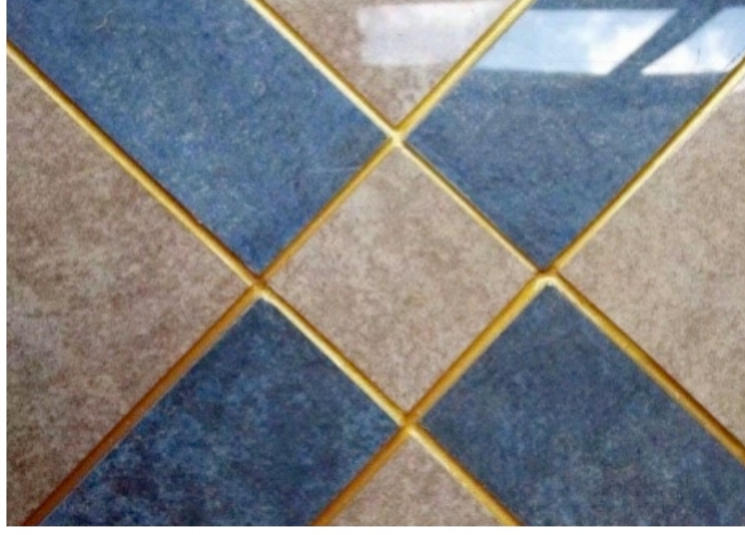




## NTA EPTG-10 (Epoxy Tile Grout):

Epoxy tile grout is a three part system comprising of Part –A , Part – B , Part – C . For ease of application and the ability to fill tile / stone joints the grout is best mixed to a smooth creamy consistency.

EPOXY GROUT is Hygienic, hard-wearing, impervious, epoxide resin-based grout with a high degree of resistance to chemical attack, abrasion and impact. The cured grout does not transfer taints to foodstuffs, does not permit the entry of bacteria or dirt and is easily maintained in a sterile condition.

### Features:

- Sterile
- Durable joints
- Hygienic and chemical resistant
- High strength
- Stain and bacterial resistant
- High abrasion resistant

### Technical Specifications:

|                        |                                                            |
|------------------------|------------------------------------------------------------|
| EPOXY GROUT            | @ 27± 1°C                                                  |
| Joint Width            | 2 - 20 mm                                                  |
| Pot Life               | 45 minutes                                                 |
| Setting Time           | 48 hours                                                   |
| Temperature Resistance | Prolonged -30°C to 50°C<br>Intermittent Up to <u>70</u> °C |
| Water Absorption       | Nil (1)                                                    |
| Specific Gravity       | 1.75                                                       |
| Shore D Hardness       | >70                                                        |

## SURFACE PREPARATION:

- Joints should be free from efflorescence, laitance, dirt and other loose material. Remove thoroughly by dry brushing.
- Clean: All joints should be cleaned down by washing with water containing detergent, then with clean water.
- Ensure the joints are dry before grouting.

## SURFACE CONSIDERATIONS:

**Fixing the Tiles:** It is essential that the tiles used are appropriate for the service conditions and are fixed in the correct manner.

### Application Procedure:

Before commencing grouting the adhesive bed must be set. It is essential that the tiles used are appropriate for the service conditions and are fixed in a solid bed of adhesive i.e. ensuring that, as far as possible, no voids are left behind / beneath the tiles. Refer to the relevant product datasheet for setting / drying times. Protect open joints from contamination and ensure that they are clean, dry and free from loose debris prior to grouting. Do not grout at temperatures less than 5 C or in damp conditions.

## MIXING:

The EPOXY GROUT consistency can be adjusted to suit the application and site conditions by varying the quantity of PART C added to the mixed PART A and PART B.

- Before use shake the bottle of PART B and stir PART A.
- Add all of PART B to all of PART A in a suitable, clean container and thoroughly mix together. If an electric drill mixer is used, blend at slow speed (less than 300 rpm).
- Slowly add the required amount of PART C and mix until all the PART C has been dispersed and a uniform colour is achieved.
- Immediately pour the mixed grout onto the working area.
- The mixed EPOXY GROUT is usable for 0 up to 45 minutes at  $27 \pm 1$  C.

**NOTE:**

In general the PART C usage will vary depending on the consistency, temperature, different usage conditions, walls and floors building up of thickness, etc. Grouting at certain points : stiffer consistency required to 'stop' open-ended joints or grout skirting tiles.

**APPLICATION:**

- Using a hard rubber grout float, compact the EPOXY GROUT into the joints ensuring that they are completely filled. Work in small areas and remove as much excess from the tile surface as possible. Strike off excess materials diagonally to the grout lines.
- Plug open-ended joints with the stiffer mix to prevent any slumping of the EPOXY GROUT joints from occurring.
- Within 30 minutes of mixing, clean off surplus EPOXY GROUT. Use a Scrubber dampened with clean water to break down (emulsify) the grout residue. Use a circular motion and keep the Scrubber flat relative to the tile surface to achieve a flush joint. Warm water, although not essential will greatly ease the emulsification process. Do not allow water to flow/run into ungrouted joints.
- Clean off the emulsified epoxy / water residue with a fine sponge, taking care not to drag EPOXY GROUT from the joints. Clean diagonally to the grout lines.
- Do not allow the haze to remain on the surface for any longer than 45 minutes.
- 

**NOTE :** Care should be taken to avoid staining tiles when grouting. This is especially applicable when grouting unglazed floor tiles, quarry tiles, and tiles with a matt glaze or textured surface. Check the potential risk of staining by applying the grout to a few tiles in a small trial area. If working in food processing / preparation / storage areas, keep tiles / mosaics dry and DO NOT bring floor into service until EPOXY GROUT is hard / cured. Avoid contact between food and tiling for at least 7 days after grouting.

**PRECAUTIONS:**

Keep out of reach of children, wear suitable protective clothing. gloves and eyes/face protection. After contact with skin, wash immediately with plenty of clean water. In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice.

**COVERAGE ESTIMATES:**

| Pack Size                                        | Coverage                                                                                                                   |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 5 kg PART A<br>1.0kg PART B<br>400g PART C 3.6kg | Consumption depend on joint width, size of tiles and good workmanship Refer to the theoretical coverage calculation below: |
| 1 kg PART A<br>200g PART B<br>80g PART C 720g    | Consumption depend on joint width, size of tiles and good workmanship Refer to the theoretical coverage calculation below: |

**THEORETICAL COVERAGE CALCULATION:**

|                                                                                                                                      |                   |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| $(\text{Tile length} + \text{Tile breadth}) \times \text{Tile thickness} \times \text{Joint width} \times \text{Specific gravity}^*$ | $= \text{kg/m}^2$ |
| $(\text{Tile length} + \text{Joint width}) \times (\text{Tile breadth} + \text{Joint width})$                                        |                   |

**CONDITIONS OF SALE:**

Sold subject to the Company's conditions of sale which are available on request.

Note: The information supplied in this datasheet is based upon extensive experience and is given in good faith inorder to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

**STORAGE AND SHELF LIFE:**

Epoxy Grout has a shelf life of 12 months when stored in normal dry