

# DONCRETE MIX- TPI

## Products Details

**DONCRETE MIX-TPI** is a high quality fine, water-resistant, frost-resistant cement based powder grout designed for grouting glazed wall tiles, mosaics, Vitrified & fully vitrified tiles, ceramic floor tiles, industrial floor tiles, etc (where chemical resistance is important use (Epoxy grout products).

### Colors:

Grout is available in white, ivory, cream, yellow, mushroom, pink, magenta, light green, dark green, light blue, blue, copper brown, dark brown, terracotta, burgundy, grey, steel grey, dark grey, black.

### PERFORMACE

#### PRODUCT USE & SERVICE CONDITIONS:

|                               |   |      |                             |   |      |
|-------------------------------|---|------|-----------------------------|---|------|
| Walls                         | : | (√□) | Floors                      | : | (√□) |
| Worktops (1)                  | : | (√□) | Interior                    | : | (√□) |
| Exterior                      | : | (√□) | Dry                         | : | (√□) |
| Showers (2)                   | : | (√□) | Swimming Pools (3)          | : | (√□) |
| Movement/Vibration            | : | (√□) | Hygienic Sterile areas (5): | : | (√□) |
| Heavily trafficked Floors (5) | : | (√□) |                             |   |      |

#### TECHNICAL DATA:

|                            |   |   |
|----------------------------|---|---|
| Joint Width                | : | 1-6 mm                                      |
| Pot Life @27°C             | : | 30 minutes                                  |
| Cure @ 27°C                | : | 24 hours                                    |
| Temperature Resistance (7) | : | -30°C to 150°C                              |
| Water grout ratio          | : | 1:3   |
| Shelf life (6)             | : | 12 months                                   |
| Specific Gravity           | : | 1.30  |
| Compressive Strength       | : | 24 hrs. min. 4.00kN<br>48 hrs. min. 8.00 kN |

1. Use the appropriate **DONCRETE MIX-TPI**.
2. Not recommended for use in power showers, use **DONCRETE MIX-TPI**. Do not use showers for at least 2 weeks following completion of grouting.
3. Do not fill pool for at least 3 weeks following completion of grouting.
4. Use **DONCRETE MIX-TPI** which conforms to the current food hygiene regulations.
5. 12 months in normal, dry conditions,

#### BACKGROUND PREPARATION:

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

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## Movement Joints

These should be provided in accordance with BS 5385: part 1-5 and may be filled with the appropriate flexible sealant. Intermediate floor joints should be reinforced with brass or stainless steels. Use stainless steel where hygiene is essential.

## Mixing:

Mix the cementations powder with clean water until a lump-free smooth paste of uniform color is obtained. If an electric drill mixer is used blend on a slow speed (less than 300rpm). Avoid entraining air by mixing at too high speed or by over-mixing. Do not reconstitute the mixed grout by adding more water; this will reduce the final strength.

## Grout Application:

1. Using a grout float or rubber squeegee compact the grout in to the joints ensuring that they are completely filled. Work in small areas and remove as much excess grout from the tile surface as possible. Do not exceed the working time of the grout. Refer to table for details.
2. Use a sponge or sponge-board, dampened with clean water to clean the tile surface. Allow about 15 minutes for the grout to dry a little before cleaning off. Clean diagonally to the joints lines.
3. Finally wash down with clean water with sponge/sponge board to remove any dried grout film from the tile surface.
4. Once the grout has sufficiently set within the joints, polish the tile surface with a clean cloth. Alternatively give a final wash down with clean water using a dampened sponge.

**Note:** Care should be taken to avoid staining tiles when grouting with colored material. This is especially applicable when grouting unglazed floor tiles, quarry textured surface, Check the potential risk of staining by applying the grout to a few tiles in a small trial area. If discoloration occurs apply SEALER and repeat the trial.

**COVERAGE:** Use formula (Theoretical).

$(\text{Tile length} + \text{Tile breadth}) \times \text{Tile thickness} \times \text{Joint width} \times \text{Specific gravity}$

$(\text{Tile length} + \text{Joint width}) \times (\text{Tile breadth} + \text{Joint width})$

## PACKING:

**DONCRETE MIX-TPI** is available in 1 kg and 0.5kg Pouches and also in 10 kg bags.

## TECHNICAL COLLABORATION WITH



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