

Technical Data Sheet



**PREMIUM
CEMENTITIOUS
GROUT**

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**COLOUR-LOCK
TECHNOLOGY**

JKTylo Cementitious Grout is a high performance joint filler, suitable for filling tile gaps and joints upto 5mm in width. It can be used for both internal and external applications, on walls and floors. JKTylo Cementitious Grouts are available in various vibrant colors.

Area of Application

- For grouting ceramic and vitrified tiles, marbles and natural stones
- Interiors and exteriors

Key Benefits and Features

- Crack free
- Water resistant
- Easy to clean
- Weather resistant
- Easy application and maintenance
- For interiors and exteriors
- Can withstand physical and thermal movements
- Superior bonding

Typical Properties

Color	Available in standard colors	Powder Density	1.0 - 1.1 Kg/Litre
Pot Life	15 ± 5 Minutes	Mix Density	2.35 - 2.45 Kg/ Litre

Note : Result depends on weather and site conditions

Application Method

1. Tile adhesive should be completely dry before the application of cementitious tile grout. Before grouting, remove the spacers and debris from the grouting area.
2. Surface must be cleaned and should be free from dirt, dust, foreign matter and standing water.
3. Gradually add grout powder to water in the ratio of 3:1 by volume and mix with a slow speed stirrer to form a homogeneous, lump-free and smooth paste.
4. Apply grout in between tile gaps with a spatula or rubber trowel.
5. Using rubber trowel/cloth/tissue paper to clean excess grout present over tiles. Allow the grout to touch dry.
6. Post application, clean the tiles with wet and soft sponge as soon as the tile grout is touch dry.

Test specification requirement ANSI A118.3-1999, EN 13888, ISO 13007 Part-3: 2005

S. No.	Test Property	Test Method	Specification	Typical Value
1	Color	NA	As per shade card*	NA
2	Water Demand	NA	32 to 33%	NA
3	Abrasion resistance	ISO-13007 Part 4:2013	$\leq 2000 \text{ mm}^3$	300 - 450 mm^3
4	Flexural strength	ISO-13007 Part 4:2013	$\geq 2.5 \text{ N/mm}^2$	7.6 - 9.5 N/mm^2
5	Compressive resistance	ISO-13007 Part 4:2013	$\geq 15 \text{ N/mm}^2$	22 - 24.2 N/mm^2
6	Shrinkage	ISO-13007 Part 4:2013	$\leq 3\text{mm/m}$	1.8 - 2.2 mm/m
7	Water Absorption			
	After 30 minutes	ISO-13007 Part 4:2013	$\leq 5 \text{ gm}$	$\leq 5 \text{ gm}$
	After 240 minutes	ISO-13007 Part 4:2013	$\leq 10 \text{ gm}$	$\leq 10 \text{ gm}$

* Shade card is for reference of shade only. Actual shade may not match 100% with that in the shade card

Packing : Available in 1 Kg unit (1 Kg x 10 pouches in a carton)

Coverage : Depends on the depth and width of joint. Consumption can be calculated by formula

Grout consumption in Kg/m^2 -
$$\frac{(\text{length of tile} + \text{width of tile}) \times \text{depth of joint} \times \text{width of joint} \times \text{density}}{(\text{length of tile} + \text{width of joint}) \times (\text{width of tile} + \text{width of joint})}$$

Storage and Shelf Life: Original unopened packaging stored in dry condition has a shelf life of 12 months from the date of manufacturing. Storage in high humidity will reduce the shelf-life of product.

Precautions During Usage:

- During cold weather, protect finished work from traffic until fully cured.
- Avoid contact with eyes and prolonged contact with skin as it may cause irritation.
- In case of contact, flush thoroughly with water.
- Avoid breathing dust.
- Wear a mask and gloves during mixing.
- Keep out of children's reach.

Disclaimer :

- Shades are of indication purpose only. Actual appearance and compatibility depends on job site condition. Before commencing the installation, check the shade in test area.
- It is advised to get a combination of grouts of same shade in same batch number to get uniform color.
- JKTylo is not responsible for any additional damages or consequential damages, including loss due to delay, incurred by the purchaser of any party.

Note : It is always advisable to keep 10% additional material considering wastage and spillage.

Disclaimer :

The company provides guarantee against defective material, but the application and usage of products are made without guarantee since the application conditions are not in its control. All products are tested under the recommended conditions of temperature $27 \pm 2^{\circ}\text{C}$ and humidity $65 \pm 5\%$. Company recommends to verify the suitability of product for intended use with the latest version of data sheet. The company may modify product data sheet without any prior notice. All technical characteristics are listed for guidance only and JKTylo technical team may be contacted for more information.



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