

Technical Data Sheet



**DUOPOXY
TWO COMPONENT
EPOXY GROUT**

JKTYLO™

PREMIUM ADHESIVES & GROUTS

DUOPOXY

TWO COMPONENT EPOXY GROUT

Technical Data Sheet



**COLOUR-LOCK+
TECHNOLOGY**



JKTylo DuoPoxy is a two component epoxy grout that is easy to use, stain resistant, water resistant and heavy duty. It is suitable with all types of tiles, stones, marbles, granites. Applicable for various residential, commercial, industrial and institutional areas.

Area of Application

- Used for filling the joints of upto 12mm between ceramic tiles, vitrified tiles and stones.
- Industrial application and in high traffic areas.
- Institutional areas such as cafeterias, school, hospitals and theatres.
- Wet areas such as bathrooms, kitchens, sterilization rooms, swimming pools and restaurants.

Key Benefits and Features

- Anti-bacterial & Anti-fungal
- Stain-free and Hygienic
- Flexible and zero maintenance
- No cracking & Impervious
- High Abrasion & Mechanical Resistance
- Chemical and Heat-Resistant
- High Strength & Durability
- High Compressive Strength

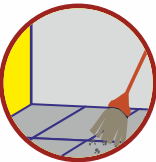
Substrates

- Ceramic tiles
- Vitrified tiles
- Glass mosaics
- Granites
- Marbles
- Stones
- Precast Terrazzo Tiles

Application Method

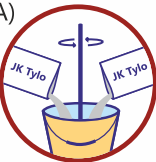
1. Surface Preparation

- Ensure tile grouting is done at least 24 hours post tile fixing. Make sure that the adhesive is set and released its moisture.
- Tile joints must be clean, dry and dust free before application. Excess adhesive or mortar should be removed while tile fixing.



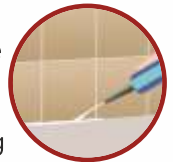
2. Mixing

- Pour the full content of Hardener (Part A) into full content of filler paste (Part B). Mix with a margin trowel or a slow speed drill mixer until they are completely blended.
- Do not add water at all.



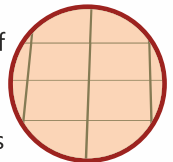
3. Application

- After mixing, spread the paste on surface with a rubber float. Hold the float at 90° angle and pull it at 45° angle diagonally across the joints and tile to avoid pulling out the material.
- Ensure that joint is filled completely, and avoid excess grout on tile surface.



4. Cleaning and Finishing

- Wipe off excess material from the face of tile, by using rubber float diagonally to the joints, before it gets hardened.
- Cleaning should be done 20-25 minutes from the application using a sponge soaked in shampoo solution. Final curing will be achieved 7 days after application.



Test specification requirement EN 13888, ISO 13007 Part-3

S. No.	Test Property	Test Method	Specification	Typical Value
1	Color	NA	As per shade card*	NA
2	Mix density		-	1.5 kg per Litre
3	Shrinkage	ISO 13007 part-4 : 2013	≤ 1.5 mm/m	0.38 mm/m
4	Water absorption after 240 minutes	ISO 13007 part-4 : 2013	≤ 0.1 gm	0.02 - 0.03 gm
5	Abrasion resistance	ISO 13007 part-4 : 2013	≤ 250 mm ³	131 mm ³
6	Compressive resistance	ISO 13007 part-4 : 2013	≥ 45 N/mm ²	92.83 N/mm ²
7	Flexural strength	ISO 13007 part-4 : 2013	≥ 30 N/mm ²	36.73 N/mm ²
8	Mixing Ratios	NA	NA	Part A : 07 Parts by weight Part B : 93 Parts by weight The two parts are pre batched in their respective containers

As per test specification requirement

Epoxy Grout (Theoretical Consumption in SQ. FT.)					
Tile Size X Thickness	Unit Size in Kg	2 mm	3 mm	4 mm	5 mm
300x300x7	1	68	45	34	28
300x300x10	1	47	32	24	19
450x300x8	1	71	47	36	29
450x300x10	1	57	38	29	23
600x300x8	1	79	53	40	32
600x600x9	1	104	70	53	42
600x1200x9	1	139	93	70	56
900x900x12	1	117	78	59	47
1000x1000x13	1	120	80	60	48

Shelf Life: 24 months from the date of manufacturing, when stored in cool and dry place.

Precautions During Usage:

1. Non-flammable, no added lead, mercury or chromium compounds.
2. Keep out of reach of children and away from food and drink.
3. Wash immediately in case of contact with eyes. Seek medical attention if irritation persists.
4. Wash skin with soapy water to avoid harmful effects.
5. May be harmful, if swallowed. In case of ingestion, seek immediate medical attention.

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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