

DUKOLL™

Bonding your roots



TILES EPOXY



2 to 12mm Joint width



Easy to Clean



For Internal & External Area



Water Resistance



Easy to Apply



+91 7600 27 7601



info@dukoll.in



www.dukoll.in

DESCRIPTION

DUTiles Epoxy is a stainless, chemical resistant, hard wearing & impervious epoxy- based tile joint filler which has high degree of resistance to abrasion, impact & shocks. It is designed for grouting gap between glazed, ceramic, porcelain, vitrified & fully

vitrified tiles, natural stones & Glass mosaics. DUTiles Epoxy can also be used as a high-performance epoxy adhesive for fixing tiles & stone.

AREA OF USE

Surface to be grouted

All types of ceramic tile, glazed tiles, porcelain tiles, vitrified & fully vitrified tiles, natural stones*, large format tiles, glass mosaic tiles, composites & engineered stone.

Area of application

Floor & walls of internal & external area*, dry as well as wet area, water submerged area, food, pharma & hygiene required areas, area containing aggressive chemicals*, heavy traffic/movement areas, domestic applications, commercial applications, wider tile joints

*NOTE:

- For highly absorbent natural stones/ marbles which may form a wet or colored patch when tile grout is applied, do sample test to check for possible staining. It is recommended to use suitable Roff Impregnating sealer on all sides & mask the tiles before grouting.
- For external application, please contact Dukoll personnel for technical assistance.
- See chemical resistance table for chemical areas.

FEATURES AND ADVANTAGES

- Stainless - Will not be stained by most foods, beverages and cleaning agents
- Easy Maintenance - Smooth texture, easier to clean.
- Provides excellent chemical resistant to many acids, alkalis and corrosives.
- Provides hygienic, hard wearing and abrasion resistant surface.
- Waterproof property
- Durable - Will not peel, crack or powdering
- Excellent mechanical property & highly resistant to heavy traffic.
- Easy to Use - No noxious odor, nonflammable, water cleanable, easy to clean.
- Stable and uniform coloring for all types of tiles

LIMITATIONS

- For highly absorbent natural stones/ marbles which may form a wet or colored patch when tile grout is applied, do sample test to check for possible staining. It is recommended to use suitable Dukoll Impregnating sealer on all sides & mask the tiles before grouting.
- In case of the resin absorption, the dark stains may form on the sides and on the surface of the slabs and they can't be removed. This problem is usual for marbles/ stone of light colors.
- Consult Dukoll Technical Services for recommendations on exterior applications. Light colors may darken slightly & turns to yellowish due to direct UV exposure..

TECHNICAL INFORMATION (APPLICATION PROPERTIES (Base + Hardener + Filler))

AREA OF USE

Testing Properties	Test Results
Component Appearance	Base (Part A) – White Viscous liquid Hardener (Part B) – Yellow Viscous liquid Filler (Part C) – Colored powder
Mixing Ratio	184 (Base) + 78 (Hardener) + 738 (Filler)
Mixed Material Consistency	Smooth creamy paste
Mixed Density	1.75 ± 0.05 kg/ litre
Pot life @ 30° C	Min. 60 minutes
Joint Width	2 – 15 mm
Sag Resistant	No-sag
Application Temperature	From +10° C to +35° C
Temperature of Use	From –20° C to + 100° C
Light Foot Traffic	24 hours
Regular Traffic	3 days
Available Shades	27 shades
PERFORMANCE PROPERTIES	
Compressive Strength after 7 days	> 50 Mpa
Flexural Strength after 7 days	> 30 Mpa
Shear Adhesion Strength after 14 Days	≥ 30 KN
Water Absorption	≤ 0.5 g
Pull-off Adhesion Strength	≥ 1.5 Mpa (Concrete failure)
Total VOC Content (EPA 24 method)	< 8 gm/ kg
<p>Note : Test results are indicative as per testing method specified in standard. Test results may vary as per substrate, site condition & testing machine etc. Actual field performance will depend on installation methods and site conditions.</p>	

**CHEMICAL RESISTANCE
PROLONGED CONTACT**

Aluminum Bromide, Aluminum Flouride, Baking Soda, Barium Hydroxide, Beer, Boric Acid, n-Butanol, Calcium Chloride, Carbonates, Carbonic Acid, Castor Oil, Chlorides, Chlorinated Paraffin, Citric Acid, Coconut Oil, Cotton Seed Oil, Diesel, Dilute Detergents, Ethanol, Ethylene Glycol, Fats, Ferric Chloride, Fish Oil, Gasoline, Groundnut Oil, Kerosene, Linseed Oil, lubricating Oils, Milk, Nitrates, Olive Oil, Palm Kernel Oil, Palm Oil, Paraffin Wax, Pine Oil, Potassium Hydroxide, Silicates, Sodium Carbonate, Sodium Chloride, Soybean Oil, Sugar, Sulphates, Sunflower Oil,

Tannic Acid, Vegetable Oil, Water & White Sprit.

MAX. 24 HRS

Acetic Acid (5%), Ammonium Bromide (5%), Household Ammonia, Hydrochloric Acid (dil), Lactic Acid (3%), Methanol, Phosphoric Acid (10%), Sodium Hydroxide.

SPLASH CONTACT

Acetic Acid (10%), Acetone, Acetyl Bromide, Benzene, Carbon disulphide, Carbon Tetrachloride, Chloroform, Chromic Acid, Ethyl Alcohol, Formic Acid, Lime Juice, Nitric Acid (10%), Phenol, Sulphuric Acid (20%), Methylene Chloride, Methylene Formamide. Please consult with Dukoll Technical Services.

DESCRIPTION



- Ensure 24 hours time interval for grouting after tile fixing.
- The joints must be dry, clean, free of dust & adhesive.
- Emptied at least 2/3 of the tile thickness depth.
- Before grouting, make sure that the installation the adhesive has set and released most of its moisture. The joints should not be wet during work.
- Put masking tape by side of grouting space or sealer if necessary.

MIXING

- Shake the bottle of Hardener and stir the Base prior to mixing.
- Pour Part A (Base) & Part B (Hardener) into a clean mixing pail.
- Mix thoroughly by hand or with a slow speed mixer (<300 RPM) until liquids are completely blended. Add Part C Filler Powder and mix until a uniform color & consistency.
- Avoid entraining air by mixing at very high speed or by over-mixing.
- Use the paste within 45 - 60 minutes from mixing.

APPLICATION : TILING

Spread mixed material over the surface using a notch trowel. Tiles should be placed within the open time of the material. Due to the slip resistance properties of the material, tiles can be fixed vertically. Press firmly the tiles to ensure a good adhesion and remove surplus material from the face of the tiles immediately

APPLICATION

- Using a hard rubber squeeze/ grout floater, press the grout firmly into the joints.
- Hold the float at a 90° angle and pull it at a 45° angle diagonally across the joints and tile to avoid pulling out the material.
- Work in small areas to have better control on removing the excess grout from joints and surface by moving the squeeze diagonally to the grout lines.
- Ensure that joint is filled completely, and grout is not just sitting on top.

CLEANING & FINISHING

- Clean off the surplus grout from tile joints and tiles within 30-45 minutes/ before the product dries.
- Initially use a rough textured sponge dampened with water to remove the grout residue.
- Use the damp sponge in a circular motion and keep it relative to the tile surface to achieve the flush joint & taking care not to drag grout from the joints.
- Clean off any light residue of tile grout left on the tile surface using an alkaline detergent/ Roff tile cleaner without disturbing the joint finish.
- Tools and containers should be cleaned using clean water when the grout is still fresh.

PRECAUTIONS & NOTE

- Please take right/ complete proportion of all components (base, hardener & filler). Any change in proportion would not give correct product performance.
- Do not apply on wet/damp tile joints. Always apply on completely dry tile joints.
- Do not over-mix the material. Over-mixing can reduce the pot life.
- Apply masking tapes along tile joints while working on unglazed floor tiles, porous tiles & natural stones, tiles with matt glaze or textured surfaces.
- While cleaning, change water frequently. Change cleaning cloth/ sponge when they are impregnated with grout.
- Protect from direct rainfall/ foot traffic for at least 24 hours.
- Do not use acid to clean joints. Use Roff Cera clean for cleaning purpose.
- Do not allow grout to harden on the face of the tile. Clean promptly.

DUEPOXY GROUT COVERAGE CHART

NO.	TILES SIZE LENGTH & WIDTH	GROOVE DEPTH	DUEPOXY GROUT'S COVERAGE CHART						
			GROOVE TH.2MM	GROOVE TH.3MM	GROOVE TH.4MM	GROOVE TH.5MM	GROOVE TH.6MM	GROOVE TH.8MM	GROOVE TH.10MM
1	25X25	3MM	6.50	----	----	----	----	----	----
2	50X50	5MM	5.84	8.44	10.84	----	----	----	----
3	75X75	5MM	3.99	5.84	7.59	9.26	----	----	----
4	100X100	5MM	1.00	4.47	5.84	7.17	8.44	10.85	----
5	200X200	5MM	1.55	2.30	3.03	3.76	4.47	5.84	----
6	200X300	5MM	1.30	1.92	2.54	3.16	3.76	4.93	6.07
7	300X300	5MM	1.04	1.54	2.05	2.54	3.03	3.99	4.93
8	300X450	5MM	0.86	1.29	1.71	2.13	2.54	3.36	4.15
9	300X600	5MM	0.80	1.16	1.55	1.92	2.30	3.05	3.80
10	400X400	5MM	0.78	1.16	1.54	1.92	2.30	3.03	3.76
11	450X450	5MM	0.69	1.14	1.38	1.71	2.05	2.71	3.36
12	605X605	5MM	0.55	0.80	1.10	1.30	1.55	2.10	2.55
13	800X800	5MM	0.40	0.60	0.82	0.99	1.20	1.60	1.98
14	900X900	5MM	0.34	0.52	0.69	0.86	1.04	1.38	1.71
15	1000X1000	5MM	0.30	0.45	0.63	0.78	0.95	1.10	1.20
16	800X1600	5MM	0.25	0.38	0.53	0.67	0.80	0.91	1.00

*The coverage may vary depending on actual job site and workmanship.
It may vary with the size, groove width & groove depth.

FORMULA FOR THE COVERAGE CALCULATION

$$C = 1.75 \times H \times T \times [(L + W) / (L \times W)]$$

C - Tile grout coverage (kg/m²)
H - Thickness of tile (mm)
T - Width of joint (mm)
L - Length of tile (mm)
W - Width of tile (mm)

PACKAGING

1 kg, 5 kg & 20 kg packs

SHELF LIFE

18 months for sealed pack when stored under cover, out of direct sunlight, dampproof condition and protect from extremes of temperature (store between +15° C to +35° C temperature)

SAFETY 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. Limited to professional use only.

For more details please refer the relevant Material Safety Data Sheet, available on request.

DUKOLL™

Bonding your roots

CORPORATE OFFICE :- 205, DEVARC MALL, ISCON CROSS ROAD, S.G. HIGHWAY, AHMEDABAD - 380055, GUJARAT, INDIA
FACTORY :- SR.NO. 1524, SABARDAIRY- GADHODA ROAD, HIMATNAGAR, S.K.-383001, GUJARAT, INDIA

 +91 7600 27 7601

 info@dukoll.in



www.dukoll.in

FOLLOW US:  /dukoll_adhesive  /dukolladhesive  /company/dukoll  @DukollTileAdhesive

AVAILABLE ON:

