



# EUCO TILE EPOXY GROUT

STAINS & GERM FREE GROUT FOR FLOORS AND WALLS

EUCLID CHEMICAL

## DESCRIPTION

EUCO Tile Epoxy Grout is a three-component epoxy resin-based grout for floors & walls of interior and exterior with a high degree of chemical resistance, hard wearing, color fastness and impervious tile joint. It is suitable for residential and commercial installation for resisting substantial abuses, and chemical attacks.

## PRIMARY APPLICATIONS

EUCO Tile Epoxy Grout is designed for grouting glazed tiles, mosaic, vitrified and fully vitrified tiles, ceramic tiles, industrial tiles, granites, marbles & other natural stones, etc.

## FEATURES/BENEFITS

- Easy to install and cleaning
- Temperature and Chemical Resistant
- Water cleanable when fresh
- Color fastness
- Stain free
- No cracking
- Available in range of colors

## TECHNICAL INFORMATION

TEST PROPERTY	TEST METHOD	RESULT
Water Cleanability	ANSI A 118.3 Cl. 5.1	95 minutes
Initial Setting Time	ANSI A 118.3 Cl. 5.2	195 minutes
Shrinkage after 7 days	ANSI A 118.3 Cl. 5.3	0.01%
Sag in vertical joints	ANSI A 118.3 Cl. 5.4	No visible change in the shape of joint
Bond strength to quarry tile	ANSI A 118.3 Cl. 5.5	2.1 MPa
Compressive Strength @ 7 days	ANSI A 118.3 Cl. 5.6	101 MPa
Tensile Strength @ 7 days	ANSI A 118.3 Cl. 5.7	7 MPa
Thermal Shock	ANSI A 118.3 Cl. 5.8	5.8 MPa
Flexural Strength	ISO 13007 Part 4 Cl 4.1.3	42.5 MPa
Compressive Strength	ISO 13007 Part 4 Cl 4.1.3	67.6 MPa
Shrinkage	ISO 13007 Part 4 Cl 4.3	0.19 mm/m
Water Absorption after 240 hr.	ISO 13007 Part 4 Cl 4.2	0.04 g

## STORAGE

24 months from the date of packaging

TILE GROUTS

EUCO TILE EPOXY GROUT

Rev.01, 04/22

## PACKAGING

Coverage: Please refer the coverage chart as it depends on the tile size, joint width, and depth

PART A – RESIN	PART B – HARDENER	PART C - PIGMENTED FILLER
0.16 kg	0.08 kg	0.760 kg
0.8 kg	0.4 kg	3.800 kg

## MIXING

- Ensure the proper use of PPEs before starting the application process
- Take 2 parts Resin, 1 part Hardener and 8 parts of Filler (i.e., 2:1:8 by volume)
- Mix the components thoroughly for 2-3 minutes to get a homogeneous paste and consistent color.
- Avoid prolonged mixing as it traps air and shortens pot life.
- The workable mixed grout can be used for up to 60 minutes at 25°C.
- Wash tools immediately with water & detergent before the epoxy hardens. It is very difficult to remove after it has hardened.
- In case of mixing with a mechanical mixer, recommended a slow 100 rpm mechanical mixer.
- No water to be added in the mix.

## APPLICATION

- Ensure the proper use of PPEs before starting the application process
- The application is done using rubber float, squeegee, or the appropriate tool
- The grout is forced into the joints in a continuous manner using a squeegee and ensure that the joints are firmly filled & free of voids.
- The excess material should be wiped off within 30 - 40 minutes with a sponge. Use a damp sponge to clean the tiled surface.
- Wiping should be in a circular motion to get optimum results.
- Utilize only a minimum amount of water in cleaning which will otherwise impair the final chemical resistance.
- The area should be a barricade to prevent any accidental damage to the grout.
- For vertical surfaces, non-abrasive cloth or smooth pad can be used to loosen any film and removing it

## METHOD OF APPLICATION

- The tiles should be firmly set & the adhesive or mortar should be completely dry.
- Remove the spacers before grouting. Grout joints must be clean and free of standing water, dirt, dust & any foreign matter.
- Remove the excess of adhesive or mortar from the joint area.
- Do not clean the tiles with acid cleaners. All the joints to be cleaned by washing with water/detergent.
- Any water or moisture present during grouting will reduce the performance of the grout. Ensure the joints are completely dry before grouting

## MAINTENANCE

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- Keep the working area protected for 48 hours after application.
- Normal water can easily clean EUCO Tile Epoxy Grout.
- Use of harsh chemicals are not recommended and should be avoided.
- Performance and durability would depend on the maintenance of the installed area.
- Acid cleaning for a household can be done only after 14-21 days of application.