

Cemkrete Epotile CT400

CEMKRETE

2-Components High Hardness Epoxy Tile Grout with Bright Color

Innovative products for your success

Description

Cemkrete Epotile CT400 is a 2 component of specially selected Epoxy, and fillers. It readily blends to produce a smooth creamy paste. **Cemkrete Epotile CT400** is high performance, chemical resistant epoxy tiles grout for internal and external applications. **Cemkrete Epotile CT400** is used in conjunction with tile adhesives or general tile adhesives. **Cemkrete Epotile CT400** is non-sag, non-shrink, and easy application, easy clean up and is color consistent. It is stain resistant, impermeable, and has high temperature resistance **Cemkrete Epotile CT400** offers maximum protection against staining, and chemical attack from food, beverages, chemicals and cleaning detergents. **Cemkrete Epotile CT400** is suitable for prolonged contact with water in fully immersed applications in pools and spas. **Cemkrete Epotile CT400** is available in a range of designer colors, suited for areas that require a decorative chemical resistant colored grout.

Uses

As a grout for dry tile joints in:

- Walls & Floors
- Interior & exterior applications
- Continuous immersed applications, pools, spas, steam rooms and car wash
- Industrial, commercial, food and beverage processing plants & commercial kitchens
- Installations requiring chemical resistance, cold storage, restaurants and dairies
- Installations requiring clinical sanitation, hospitals, laboratories & veterinary clinics
- Bathrooms
- Shower stalls
- Swimming pools
- Kitchens

Advantages

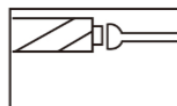
- Low cost service life
- Excellence Waterproof
- Can be apply on metals, Concrete, Stone, Ceramic, Glass mosaic ,Porcelain, and Terrazzo
- No shrinkage
- Bright colors
- Available in a range of attractive colors
- Color consistent and stain resistant
- Easy application and water cleanup.
- Thixotropic, non-sag - Vertical application
- Joint widths from 1 – 15 mm
- Chemical and Frost resistant
- High strength and abrasion resistant
- Easy to apply
- Can be used in submerged conditions
- Anti-Mildew



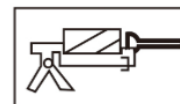
Usage Instruction

- Clean the dirt or cement attached on gap sides with cleaning awl.
- Screw the cap and put the rubber tube on.
- Trim the rubber tube mouth accordingly to match the gap size, then install the cartridge gun.
- Extrude approximate 30-40cm long out and discard to avoid unevenly mixture.
- Fill the gap with adhesive.
- Shape the adhesive to be level and smooth with ball after 1-2 meters.
- Shovel the superfluous along the gap sides with scraper after 8-12 hours of air dry.

Application Method



1. Install the mixing tube



2. Install the glue gun



3. Press the ceramic tile grout glue gun, squeeze out about 30-50cm glue to avoid uneven mixture



4. Squeeze the ceramic tile grout glue gun at constant speed



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Packing

Cemkrete Epotile CT400 is supplied in 400 ml packaging
Part A : 200 ml
Part B : 200 ml

Preparation

All tiles must be securely fixed in place and thoroughly cleaned before **Cemkrete Epotile CT400** is applied.
The gap between tiles should not exceed 15 mm

Properties

Colour : White, gray, black and etc.

Water Permeability

Resistance : No water penetration

Volume solids : 100%

Bond Strength (BS1881 Part 207) : > 2.00 N/mm²

Dynamic Crack Bridging : Passed

Salt Spray Resistance (BS 1881: Pt 4: 1988) : Passed

The fully cured film is excellent

resistant to: Hydrochloric acid

30% Lactic acid 1%

Phosphoric acid 10%

Sodium Hydroxide 40% Kerosene Petrol Gas oil Fuel

Chlorinated water Sewage water Distilled water

List of chemical resistance:

√: Good resistance

X: Not recommended

Acid Group

CHEMICAL	CENCONTRATION (%)	LAB RESULT
Acetic acid	2.50%	√
Acetic acid	5%	√
Acetic acid	10%	X
Hydrochloric acid	37%	√
Chromic acid	20%	X
Citric acid	10%	√
Formic acid	2.50%	√
Formic acid	10%	X
Lactic acid	2.50%	√
Lactic acid	5%	√
Lactic acid	10%	√
Nitric acid	25%	√
Nitric acid	50%	X
Pure oleic acid		X
Phosphoric acid	50%	√
Phosphoric acid	75%	√
Sulphuric acid	1.50%	√
Sulphuric acid	50%	√
Sulphuric acid	96%	X
Tannic acid	10%	√
Tartaric acid	10%	√
Oxalic acid	10%	√

Alkaline Group

CHEMICAL	CONCENTRATION (%)	LAB RESULT
Ammonia in solution	25%	√
Caustic soda	50%	√
Potassium permanganate	5%	√
Potassium permanganate	10%	√
Potassium hydroxide	50%	√
Sodium bisulphite	10%	√

CHEMICAL	ACTIVE CHLORINE CONCENTRATION	LAB RESULT
Sodium hypochlorite in solution	6.4g/l	√
Sodium hypochlorite in solution	162g/l	X

Oils and Fuels

CHEMICAL	CONCENTRATION	LAB RESULT
Petrol, fuel	-	√
Turpentine	-	√
Diesel fuel	-	√
Tar oil	-	√
Olive oil	-	√
Light fuel oil	-	√
Petrol	-	√

Saturated solutions at +20°C

CHEMICAL	CONCENTRATION	LAB RESULT
Sodium hyposulphite	-	√
Calcium chloride	-	√
Ferric chloride	-	√
Sodium chloride	-	√
Sodium chromate	-	√
Sugar	-	√
Aluminium sulphate	-	√

Solvents

CHEMICAL	CONCENTRATION	LAB RESULT
Acetone	-	X
Ethylene glycol	-	√
Glycerine	-	√
Methylene glycol acetate	-	X
Perchloroethylene	-	X
Carbon tetrachloride	-	√
Ethyl alcohol	-	√
Trichloroethylene	-	X
Chloroform	-	X
Methylene chloride	-	X
Tetrahydrofurane	-	X
Toluene	-	X
Carbon sulphide	-	√
White spirit	-	√
Benzene	-	X
Trichloroethane	-	X
Xylene	-	X
Mercuric chloride (HgCl ₂)	5%	√
Hydrogen peroxide	1%	√
Hydrogen peroxide	10%	√
Hydrogen peroxide	25%	√

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Estimate consumption Table

TILE SIZE AND THICKNESS (MM)	WIDTH OF JOINT (MM)	APPROXIMATE CONSUMPTION (SET/M ²)
25 X 25 X 4	3	1.6
50 X 50 X 6	3	1.2
	5	2
100 X 100 X 6	3	0.6
	5	1
	7	1.4
100X 100 X 10	3	1
	5	1.7
	7	2.3
200 X 200 X 6	3	0.3
	5	0.5
	7	0.7
200 X 250 X 6	3	0.3
	5	0.5
	7	0.7
300 X 300 X 6	3	0.2
	5	0.4
	7	0.5
400 X 400 X 8	3	0.2
	5	0.4

Shelf life

Cemkrete Epotile CT400 has a shelf life of 12 months if kept in a dry store in the original, unopened bags or packs. Storage conditions. Store in dry conditions in the original, unopened bags or packs. If stored at high temperature and / or high humidity conditions the shelf life may be reduced.

Health and safety

Cemkrete Epotile CT400 is Epoxy based. Care should be taken to avoid inhalation of dust and contact with eyes. All Epoxy based products.

Cleaning

Cemkrete Epotile CT400 should be removed from tools, equipment and mixers with clean water immediately after use. Cured material can only be removed mechanically.

Additional Information

Cemkrete manufactures and supplies a wide range of those complementary products which includes:

- Waterproofing membranes & waterstops
- Joint sealants & filler boards
- Cementitious & epoxy grouts
- Specialized flooring materials
- Fireproof coating and systems
- Concrete admixture
- Repairing material

For further information on any of the above, please consult your local Cemkrete office - as below.

Important Note: Cemkrete warrants its materials free of manufacturing defects and produced as per standard specifications and sold under the terms and conditions of usages, whilst Cemkrete endeavors to ensure that any advice, recommendation, or information, given through its products literatures are reflects of the R&D in-house lab test and practical sites experience and knowledge based feed backs, however, the products are being used under various conditions and applied beyond its control where or how either directly or indirectly at various locations and places at a different stages that of an intended purposes and uses. Therefore, Cemkrete cannot hold warranty or responsible for resultant consequences, such as damages to the property or assets but the product itself.