

CEMKEM 10

EPOXY TILE ADHESIVE AND GROUT

CEMKEM 10 is a three component epoxy system, designed as adhesive and grout for ceramic tile in medium and heavy duty, hygienic and corrosive environment.

USES

CEMKEM 10 can be used as tile adhesive and grout in the following industries.

- Food Production - including meat and fish processing, fruit canning, dairy products etc.
- Chemical productions and processing.
- Brewing and Distilling.
- Soft drink production and bottling.

ADVANTAGES

- Excellent adhesion in wet and dry conditions.
- **CEMKEM 10** is water wipeable eliminating the need for cleaning solvents.
- Hygienic in service, **CEMKEM 10** will not support bacterial growth.
- Excellent handling characteristics ensuring easy application.
- Maximum chemical resistance.

SPECIFICATIONS / COMPLIANCES

ANSI - A118.3 - 1992 Specification for chemical resistant, water cleanable tile setting and grouting epoxy adhesive.

INSTRUCTIONS FOR USE

SURFACE PREPARATION

The concrete to which the adhesive is to be applied, shall be at least 28 days old and the moisture content shall be less than 5%. The surfaces shall be clean and free from dust, grease and other contaminants.

MIXING - Pre-mix the complete pack of resin and hardener. Slowly add the filler to give the required handling properties for use as an adhesive, grout or mortar. A suitable mechanical mixer should be used such as Pennine Casco or Cretangle. Mix thoroughly for 2-3 minutes to achieve lump-free homogeneous consistency. The quantity of filler can be adjusted to suit the required consistency. Once mixed **CEMKEM 10** should be spread

thinly on Polythene sheeting to prevent heat build up and extend pot life.

NOTE : DO NOT SPLIT PACKS.

APPLICATION

Bedding

The concrete substrate shall be bedded with **CEMKEM 10** by trowel to the required thickness. The thickness can be varied depending on the substrate and the type of tiles.

Fixing

"Butter" the bottom and sides of small tiles / paviors with **CEMKEM 10** adhesive and immediately press firmly into place. Remove surplus adhesive from the face of tiles / paviors with clean water. Notched trowel application is not recommended for chemical resisting work.

GROUTING

CEMKEM 10 should be applied directly to the joints using a palette knife or plastic spatula. **CEMKEM 10** may also be applied by cartridge gun or similar technique. Remove surplus material from the face of tiles/paviors immediately using a pre-damped fibral cleaning pad. **CEMKEM 10** standard is water wipeable. Finish by polishing with a dry lint free cloth.

PRECAUTIONS

DO NOT ALLOW TO SET ON FACE OF TILES.

Working time for mixed **CEMKEM 10** is approx 45 - 50 minutes at 15-20°C. Mix only the material which can be used in this period. Installations using **CEMKEM 10** may be opened to foot traffic in approx. 8 hours at 18°C. Complete cure to obtain maximum chemical resistance is achieved at 5-7 days at 18°C.

DO NOT USE **CEMKEM 10** STANDARD BELOW 10°C.

CEMKEM 10 is not designed for high temperature applications but will adequately cope with temperatures normally met in open wall and floor locations.

In dry conditions the maximum operation of temperature for **CEMKEM 10** is 105°C. In immersion situations this maximum is reduced to 65°C, although occasional use up to 85°C may be permitted.

PACKING & YIELD

CEMKEM 10 is available in 20 kg pack for tile adhesives and 14 kg pack for tile grouts.

	Tile Adhesive	Tile Grout
Resin	3 kg	3 kg.
Hardener	1 kg	1 kg.
Filler	16 kg.	10 kg.
Yield	10 liters	8.1 liters

COVERAGE

20 KG pack of **CEMKEM 10** covers approx. 3.3 m² at a thickness of 3mm, as tile adhesive. When combined with serrated/notched trowel the coverage would be 5 - 7 sq. mts./pack.

COLOURS

CEMKEM 10 is available in Natural Grey and light maroon colors. Other colors are available on request.

CLEANING

CEMKEM 10 standard - Surplus material may be removed from tools and equipment, hands and skin using warm soapy water.

STORAGE

Store in cool dry conditions. Shelf life is 12 months.

QUALITY STATEMENT

CMCI manufacture its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with Quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high performance construction products. CMCI also offers full technical field support to consultants, Architects, Contractors, applicators and End Users

The Technical Specification information and recommendation given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product. CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no guaranty and or responsibility is assumed on the performance of work completion executed with use of our products.