FortFIX-E48

Hygienic impervious epoxy tile adhesive

FORTFIX -E48 is a watertight tile adhesive with a high bonding strength when applied to glazed and unglazed ceramic tiles, concrete, render, floor screeds, aluminium and stainless steel.

FORTFIX -E48 Adhesive is a chemical resistant, epoxy adhesive that will bond to most sound, clean surfaces. Adhesive spreads easily and cleans with water while fresh. FORTFIX -E48 Adhesive is a factory-proportioned kit consisting of epoxy resin, hardener and chemical resistant silica filler. FORTFIX -E48 Adhesive can be used in interior and exterior (see limitations) walls and floors, wet and dry areas.



Features

- Water cleanable.
- Crack-bridging
- Watertight
- Highly-flexible
- Resistant to heat and freezing
- Resistant to several diluted acids and alkaline solutions
- No flammable solvents are required to clean tools or finished work.
- Ideal for installing moisture sensitive marble and agglomerate tiles.
- Ideal for the installation of resin backed tile, mosaics, stone, and agglomerates.
- Non-staining on white and light-colored marble.
- High bond strength.
- Maximum chemical resistance.

Application field

Large installations including: supermarkets/malls/swimming pools/sports centres/food preparation plants/hospitals/ industrial plants
For heavy duty commercial chemical resistant installations in food processing areas, commercial kitchens, restaurants, etc. Also use FORTFIX E 48 Adhesive to install all types of ceramic tile, marble and natural stone over post-tensioned and precast floor systems. Also recommended for rubber flooring and wood block floors, the installation of green marble, white marble, and resin backed tiles and stones agglomerate marbles that have a tendency to stain, darken or warp when installed with water-based installation materials.

PROPERTIES

Appearance	Paste
Density	1.3 Kg/m³
Shear Bond Strength	8 MPa
Compressive Strength	26MPa
Open time at 28°C	30min
Mixed Pot life at 28°C	45 Min
Cure time	24Hrs
Freeze-Thaw Strength	stable
Coverage	18 m² with 1.5mm v-notch trowel
Heat Resistance	Excellent
Impact Resistance	Tile Remain Bonded

**Open time is the time between spreading the adhesive and placing the tiles*

engineered to perform

SUBSTRATE PREPARATION

- The substrate must be structurally sound , free from movement and dry .
- The Substrate must be free of all traces of oil, grease and wax.
- Steel-trowel finished concrete must be acid-etched or wire brushed prior to tiling
- Painted surfaces must be abraded to expose at least 75% of clean surface

PREPERATION

The Components are to be mixed until it gets smooth and the mixing should be done slowly to keep out the air bubbles . Mix continuously until a lump free creamy consistency is achieved .The mix lasts 1-2 hrs depending on temperature conditions .

Apply FORTFIX -E48 to clean and dry surface at temperature 40-100°F. Cement surfaces must be scrapped and dampened to help adhesion. Care should be taken to bond well the existing ceramic tile surfaces. Certain wood or plaster surfaces may need a mortar coating dried for 20 hours prior to applying FORTFIX -E48

PREFERRED TOOLS

Wall tiling : Notched trowel
Floor tiling : Notched trowel

APPLICATION

- Temperature range for use : +5°C to +54°C
- Apply FORTFIX up to a working area of not more than 1 square meter at one time
- Place tiles firmly on the adhesive bed insuring good contact with a twisting motion.
- It is recommended that the tiles are "beat in" to obtain good transfer of mortar to tile and proper alignment
- It is not advisable to adjust tiles in mortar after 10-15minutes of its setting

PACKING : Multi Component Kits of different sizes to suit the requirements available.

STORAGE AND SHELF LIFE

12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature/humidity may reduce shelf life.

HEALTH AND SAFETY : Gloves, goggles & suitable mask must be worn. Precautions: Contact with skin, eyes, etc. must be avoided. If swallowed, seek medical attention immediately. Hazard: It is regarded as non-hazardous for transportation. Disposal: Do not reuse containers. To be disposed off as per local rules and regulations. For additional information please refer to the MSDS, available on request

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