



### KEY BENEFITS AND FEATURES

- High chemical resistance.
- Improved temperature resistance.
- Maximum physical strength.
- Highly resistance to bacteria attack.
- Water resistance.
- Fast curing.
- Easy to Apply.

### USAGE

- Ideally suited for usage in bakeries, dairies, breweries, meat packing plants, soft drink plants, Confectioneries, canneries, distilleries, pharmaceutical factories, veterinary hospitals, institutional kitchens, fast food restaurants, cafeterias, laboratories and supermarkets.

### DIRECTIONS FOR USE

**SURFACE PREPARATION:** Before grouting remove excess mortars and other dust and loose particles with a damp sponge. Fix transparent tapes on the sides of tiles where joints are to be filled.

**MIXING:** Mix Part A and Part B thoroughly for minimum of two minutes. Pour Part C slowly and keep on mixing with out leaving any interval until it forms a pasty consistency.

**APPLICATION:** Fill the joints with Tec<sup>®</sup> Tile 21 with a float and remove excess grout before it hardens by holding the float across the joints. The joints will harden by 30 to 45 minutes based on weather conditions. Remove the transparent tapes pasted on the sides.

**CLEANING:** Pour plenty of water in areas where residues of Tec<sup>®</sup> Tile 21 might be sticking to the tiles and scrub it. Mop the surface with clean wet cloth and remove the residues completely. After 90 minutes the joints would be stiffened. If the joints are rough or uneven dress slightly with a sponge soaked in soap solution to make it smooth. Mop the surface with dry cloth to remove the wetness. Apply a transparent tape over the joint to prevent dirt or other foreign particles accumulation. Remove the tape after 24 hrs of application and clean the surface with mild soap solution to remove the epoxy haze.

Pot Life	45 minutes (32°C)
Wet Density	1700 kg/m <sup>3</sup>
Water absorption	0.2 to 0.3 %
Sagging	Nil
Linear Shrinkage	> 0.10 %
Bond Strength	8 Mpa
Compressive Strength	50 Mpa
Tensile Strength	10 Mpa
Full curing time	24 hours
Chemical Resistance	See Chemical Resistance Chart



**Certified:**  
ISO 9001 (QMS) & ISO  
14001 (EMS)



## CHEMICAL RESISTANCE CHART:

Chemical Name	Continuous	Occasional
	Exposure	Exposure
Hydroflouric acid 10%	R	R
Sulfuric to 50%	R	R
Nitric to 30%	R	R
Hydrochloric upto 40%	R	R
Sodium Hydroxide (Saturated)	R	R
Xylene	NR	NR
Ethyl Alcohol	R	R
Mineral Spirits	R	R
Toluene	NR	NR
Gasoline	R	R
Milk	R	R
Potassium Permanganate	NR	NR
Sea Water	R	R
Fruit Juice	R	R
Chloroform	NR	NR

**Limitations:** Maximum chemical resistance is achieved in seven (7) days at 32°C. Protect from exposure to strong chemicals until fully cured; at colder temperatures it takes longer to achieve full cure. Continuous Exposure to heavy chemicals might impart discoloration.

### COVERAGE:

One kg of Tec Tile 21 covers an area of 50 sft

### OTHER PRODUCTS

Techny manufactures lot more range of other products for construction and repair applications. They include admixtures for concrete, mortars, block making etc, waterproof and damp proof coating systems, Repair and rehabilitations products, Grouts and Anchors, Protective, Decorative and Corrosion prevention coatings, Epoxy Flooring systems, Industrial flooring systems and Tiling aids. For more details refer Separate Product brochures.

Every reasonable precaution is taken in the manufacture of the Techny products to ensure that they comply with high standards of quality. The recommendations and properties of the products are based upon what is believed to be the most reliable information available and are not intended as recommendations which infringe other patents. Although all Techny products are subject to rigid quality tests, no specific guarantee can be given, because results depend not only on quality but also on other factors beyond our control. We therefore welcome consultation in the event of doubt about application performance etc but do not accept any liability either directly or indirectly arising from the use of the products whether used as per its specifications or advice or otherwise. All transactions shall be subject to our terms of sale, delivery and payment. The leaflet supercedes the previous one and any new issue may take place without notice to supercede this edition as and when it becomes necessary.

TECHNICAL DATA SHEET  
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