



Chem Coats (Pvt) Ltd.

ChemTile E-307

General purpose epoxy tile pointing grout

DESCRIPTION

A three-component, solvent-free epoxy, polyamide cured with silica aggregate.

USES

For the pointing between acid-resistant ceramic wall and floor tiles.

FEATURES & BENEFITS

Chemical and abrasion resistant, preventing degradation of pointing.

COLOUR

Range of colours available.

SURFACE PREPARATION

All surfaces must be clean, sound and dry.

MIXING

Add the entire contents of the activator tin to the base and, without splashing, stir with a flat paddle until an even streak-free mixture results. This takes at least five minutes. Premix the silica aggregate to obtain even distribution of the various fractions. When using a mechanical mixer, place mixed liquid in the pan and slowly add premixed aggregate, mixing until an evenly coated, wetted mix results. Use this procedure also if manual mixing is carried out in a drum. All lumps must be broken down and an evenly wetted mass obtained.

COVERAGE

Depends on the size of tiles, thickness and groves size. See table for coverage.

APPLICATION

After applying to the joint by means of a pointed trowel, the surface of the joint can be smoothed by wiping with a clean cloth moistened with water or water to which a little liquid detergent has been added. Overspill on tiles can be wiped off by the same method. This applies only to fresh, uncured material. Once material has cured, it is virtually impossible to remove.

CLEANING

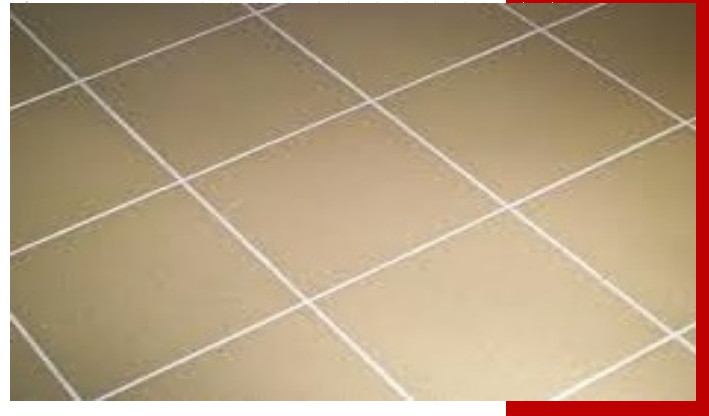
ChemCoats epoxy cleaner before dried/cured.

PROTECTION ON COMPLETION

Against traffic and spillage until cured. Most epoxies chalk and degrade in extensive sunlight.

MODEL SPECIFICATIONS

Three-component light-duty chemically resistant epoxy tile pointing grout.



PROPERTIES OF MATERIAL

WET MATERIAL	Mixing ratio	2 : 1
	Density (typical)	2.242 kg/l
	Dilution	Do not dilute
	Toxicity	Uncured material is toxic
DURING APPLICATION	Work life @ 25° C	1 hour
	Volume solids	100%
	Curing time @ 25° C	Touch dry - 4 hrs
		Practical cure - 24 hrs Full cure - 7 days
Application temperature	10° C - 40° C	
CURED MATERIAL	Max service tem.	Dry - +80° C
		Wet - +60° C
	Compressive strength @ 25° C 7 days	60 MPa
	Shrinkage during cure	Negligible
Chemical resistance	Good resistance to spillage and splashing of dilute inorganic acids, dilute alkalis, oils, fats, greases, aliphatic solvents.	

PACKAGING

ChemTile E-307 is supplied normally in 10 kgs kit.

HANDLING & STORAGE

ChemTile E-307 have a shelf life of 12 months if kept in a dry, cool store in the original, unopened packs. If stored at high temperatures and/or high humidity conditions, the shelf life may be reduced.



HEALTH & SAFETY

Wet ChemTile E-307 is toxic and flammable. Ensure the working area is well ventilated during application and drying. Avoid flames in vicinity. Avoid inhalation of dust and contact with skin and eyes. Suitable protective clothing, gloves, eye protection and respiratory protective equipment should be worn. The use of barrier creams provides additional skin protection. If contact with skin occurs, wash with soap and water. Splashes into eyes should be washed immediately with plenty of clean water and medical advice sought. Cured ChemTile E-307 is inert and harmless.

IMPORTANT NOTE

The information given in this data sheet is based on current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no controls over methods of applications, site conditions etc. In view of the continuing research and development being undertaken in our laboratories we advise customers in their own interest to ensure that this data sheet has not been superseded by a more up-to-date publication. All products are sold subject to our standard conditions of sale which are available on request. Field services, where provided, does not constitute supervisory responsibility. For additional information, please contact your local Chem Coats representative.

YIELD CHART

Gail ceramics 240 x 115 x 11 mm split tiles	m ² OF FLOOR GROUTED WITH 1 L MIXED GROUT											
	DEPTH	WIDTH OF JOINT										
	mm	5	6	7	8	9	10	11	12	13	14	15
	5	3.3	2.7	2.3	2.0	1.8	1.6	1.5	1.3	1.2	1.1	1.1
	6	2.7	2.3	1.9	1.7	1.5	1.3	1.2	1.1	1.0	0.9	0.9
33 tiles per m²	7	2.3	1.9	1.7	1.4	1.3	1.1	1.0	0.9	0.9	0.8	0.7
	8	2.0	1.7	1.4	1.3	1.1	1.0	0.9	0.8	0.8	0.7	0.6
	9	1.8	1.5	1.3	1.1	1.0	0.9	0.8	0.7	0.7	0.6	0.6
	10	1.6	1.3	1.1	1.0	0.9	0.8	0.7	0.6	0.6	0.5	0.5
	11	1.5	1.2	1.0	0.9	0.8	0.7	0.6	0.6	0.5	0.5	0.5

TO ESTABLISH NUMBER OF KITS

Divide number of m² of floor by factor in either yield chart, then divide by yield of kit

Gail ceramics 195 x 95 x 11 mm split tiles	m ² OF FLOOR GROUTED WITH 1 L MIXED GROUT									
	DEPTH	WIDTH OF JOINT								
	mm	5	6	7	8	9	10	11	12	
	5	2.6	2.2	1.8	1.6	1.4	1.3	1.2	1.1	
	6	2.2	1.8	1.5	1.3	1.2	1.1	1.0	0.9	
50 tiles per m²	7	1.8	1.5	1.3	1.1	1.0	0.9	0.8	0.7	
	8	1.6	1.3	1.1	1.0	0.9	0.8	0.7	0.6	
	9	1.4	1.2	1.0	0.9	0.8	0.7	0.6	0.6	
	10	1.3	1.1	0.9	0.8	0.7	0.6	0.6	0.5	
	11	1.2	1.0	0.8	0.7	0.6	0.6	0.5	0.5	

Average: 13 m of pointing per m² of tiling 300
x 300 tiles: 6.7 m of pointing per m² of tiling

RANGE OF PRODUCTS

WATERPROOFING SYSTEMS
INDUSTRIAL FLOOR SURFACES
PROTECTIVE COATINGS

PREPACKED REPAIR MORTARS
CEMENTITIOUS & EPOXY GROUTS
CONCRETE ADMIXTURES

SEALANTS
CRACK INJECTION
CONCRETE ADHESIVE