



Chem Coats (Pvt) Ltd.

ChemDermix 215

Epoxy tile pointing grout

DESCRIPTION

Three-component, solvent-free epoxy which is aromatic amine cured with silica aggregate.

USES

For the pointing between acid – resistant ceramic wall and floor tiles. Suitable for use generally in breweries and other tiled hygienic food and beverage preparation areas.

FEATURES & BENEFITS

- Chemical and abrasion resistant.
- Prevents degradation of painting.
- Eliminating entrapment of contaminant and other harmful organisms.
- Prevents ingress of contaminants.
- Easy to apply.

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 particles. 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

See yield chart on last page of this data sheet.

APPLICATION

Apply by means of a pointing trowel. Care should be taken to avoid contamination of the tile surface since the cured material is subject to discolouration when in prolonged contact with certain acids. Wipe off excess material using a cloth dampened with clean water. Do not use excess water as this could impair the cure of the epoxy. White spirits, pine oil or epoxy thinners can be used on a clean cloth to smooth down the joint.

CLEANING

ChemCoats Super brush cleaner before dried / cured.



PROPERTIES OF WET MATERIAL	
Mixing ratio	Do not split kit
Density (typical)	≈ 2.0 - 2.1 kg / l grout
Dilution	Do not dilute
Toxicity	Uncured material is toxic
Shelf life	1 years from date of manufacture
Storage conditions	Store under cover in cool conditions
Packaging	5 litre kit

PROPERTIES DURING APPLICATION	
Application by	Pointed trowel
Work life @ 25° C	30 - 40 minutes
Volume solids	100%
Curing time @ 25° C	Touch dry - 4 hrs Practical cure - 24 hrs Full cure - 7 days
Application temperature range	10° C - 40° C

PROPERTIES OF CURED MATERIAL	
Max service temperature	Dry – 70° C Wet – 60° C
Compressive strength@ 25° C	50 MPa in 7 days
Shrinkage during cure	Negligible
Chemical resistance	Excellent resistance to spillage, splashing and immersion in dilute acetic and lactic acids, alkalis, oils, fats, greases, aliphatic and aromatic solvents



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PROTECTION ON COMPLETION

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

MODEL SPECIFICATIONS

Three-component epoxy tile pointing grout.

The tile pointing grout will be **ChemDermix 215**, a three component, solvent free, filled; polyamine cured epoxy grout and is applied in accordance with **Chem Coats Construction Chemicals'** recommendations.

PACKAGING

ChemDermix 215 is supplied in 5 litre kits.

HANDLING & STORAGE

All **ChemDermix** related products 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 **ChemDermix 215** should not be allowed contact with skin and eyes. It 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 water and soap. Splashes into eyes should be washed immediately with plenty of clean water and medical advice sought.

Cured **ChemDermix 215** 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.

RANGE OF PRODUCTS

WATERPROOFING SYSTEMS
INDUSTRIAL FLOOR SURFACES
PROTECTIVE COATINGS

PREPACKED REPAIR MORTARS
CEMENTITIOUS & EPOXY GROUTS
CONCRETE ADMIXTURES

SEALANTS
CRACK INJECTION
CONCRETE ADHESIVE



Yield Chart

Gail ceramics 240 x 115 x 11 mm	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 m ²	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

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 m ²	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	