



epidermix 215

Epoxy tile pointing grout (brewery and wine cellar grade)

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

Brown

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.

PROPERTIES OF WET MATERIAL	
Mixing ratio	Do not split kit
Density (typical)	2,2 kg / l grout
Colour : Base Activator Mixed	Clear amber Amber Brown
Dilution	Do not dilute
Toxicity	Uncured material is toxic
Shelf life	2 years from date of manufacture
Storage conditions	Store under cover in cool conditions
Packaging	4 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
Equipment clean-up	abe super brush cleaner

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.

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. Complies in general with SAB tile grout specification (separate test report available)

COVERAGE

See yield chart on last page of this data sheet.

CLEANING

abe super brush cleaner before dried/cured.

PROTECTION ON COMPLETION

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



TECHNICAL DATA SHEET

MODEL SPECIFICATION

Three-component epoxy tile pointing grout.

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

PACKAGING

epidermix 215 is supplied in 4 litre kits.

HANDLING & STORAGE

All **epidermix** related products have a shelf life of 24 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 **epidermix 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 **epidermix 215** is inert and harmless.

NB: When transporting liquids and semi liquids by aircraft, ask for material safety data sheet.

IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst **abe Construction Chemicals** endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot - because **abe** has no direct or continuous control over where and how **abe** products are applied - accept any liability either directly or indirectly arising from the use of **abe** products, whether or not in accordance with any advice, specification, recommendation, or information given by the company.

FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements. **abe Construction Chemicals** has a wealth of technical and practical experience built up over years in the company's pursuit of excellence in building and construction technology.

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 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	

Divide number of m² of floor by factor in either yield chart, then divide by yield of kit.
Average: 13 m of pointing per m² of tiling. 300 x 300 mm tiles: 6,7 m per m² of tiling