



# a.b.e.<sup>®</sup> Construction Chemicals epidermix 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, eliminating entrapment of contaminant.

### COLOUR

Indeterminate grey/brown (aggregate filler).

### 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

See yield chart on last page of this data sheet.

#### PROPERTIES OF WET MATERIAL

Mixing ratio	2 : 1
Density (typical)	2,242 kg/L
<b>Colour:</b>	
Base	Clear amber
Activator	Amber
Aggregate	Grey brown (natural)
Dilution	Do not dilute
Toxicity	Uncured material is toxic

#### PROPERTIES 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 temp range	10°C to 40°C

#### PROPERTIES OF CURED MATERIAL

Max service temp	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.

### 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. **N.B.** This applies only to fresh, uncured material. Once material has cured, it is virtually impossible to remove.

### CLEANING

abe<sup>®</sup> super brush cleaner before dried/cured.

## PROTECTION ON COMPLETION

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

## TEMPERATURE AND RELATIVE HUMIDITY

See curing and service temperature in properties.

## MODEL SPECIFICATIONS

Three-component light-duty chemically resistant epoxy tile pointing grout. Supplied by **a.b.e.® Construction Chemicals** and installed to manufacturer's instructions.

## PACKAGING

**epidermix 307** is supplied in 4 litre and 8 litre kits.

4L kit (includes 7,808 kg aggregate)

8L kit (includes 15,6 kg aggregate)

## 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 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 water and soap. Splashes into eyes should be washed immediately with plenty of clean water and medical advice sought. Cured **epidermix 307** 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 **a.b.e.® Construction Chemicals** endeavors to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot - because **a.b.e.®** has no direct or continuous control over where and how **a.b.e.®** products are applied - accept any liability either directly or indirectly arising from the use of **a.b.e.®** 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. **a.b.e.® 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.



a.b.e.® is an ISO 9001:2008 registered company  
PO Box 5100, Boksburg North, 1461, South Africa  
Website: [www.abe.co.za](http://www.abe.co.za) | Tel: +27(0) 11 306 9000  
Durban | Johannesburg | Cape Town | Port Elizabeth | East London | Bloemfontein | George

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**CHRYSO**  
CHEMICAL SOLUTIONS FOR THE  
CONSTRUCTION MATERIALS INDUSTRY  
DATE UPDATED: 25/10/12

Gail ceramics 240 x 115 x 11 mm split tiles	M <sup>2</sup> OF FLOOR GROUTED WITH 1 L MIXED GROUT											
	DEPTH	WIDTH OF JOINT										
	mm	5	6	7	8	9	10	11	12	13	14	15
33 tiles per m <sup>2</sup>	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
	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

Divide number of m<sup>2</sup> of floor by factor in either yield chart, then divide by yield of kit.

Gail ceramics 240 x 115 x 11 mm split tiles	M <sup>2</sup> OF FLOOR GROUTED WITH 1 L MIXED GROUT									
	DEPTH	WIDTH OF JOINT								
	mm	5	6	7	8	9	10	11	12	
50 tiles per m <sup>2</sup>	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	
	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 m<sup>2</sup> of tiling. 300 x 300 tiles: 6,7 m of pointing per m<sup>2</sup> of tiling



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