

easypoxy ag

Epoxy Adhesive and Grout for Walls & Floors

DESCRIPTION

High strength epoxy adhesive and grout suitable for fixing and grouting wall and floor tiles for applications in which cement based adhesives and grouts do not have sufficient chemical resistance or where increased adhesion strengths are required.

Use as an adhesive for

Fixing WALL and FLOOR tiles where high levels of adhesive and/or chemical resistance are required.

BAL Easypoxy AG is classified by EN 12004 as a R2 Improved Reaction Resin Adhesive

Most types of tiles including:

- Ceramic
- Porcelain and fully vitrified tiles
- Mosaics and glass
- Slate including some microthin slate sheets (contact BAL TECHNICAL ADVISORY SERVICE)

INTERNAL and EXTERNAL walls and floors

DRY and WET environments.

Recommended for:

- Food preparation areas
- Domestic kitchens and worktops
- Bathrooms and showers
- Hospitals and industrial/chemical plants
- Swimming pools
- Dairies

USAGE & SERVICE CONDITIONS

Walls	✓	Floors	✓
Interior	✓	Exterior	✓
Dry	✓	Wet	✓
Worktops	✓	Showers	✓
Swimming Pools (1)	✓	Heated Screeds	✓
Hydrotherapy Pools (1)	✓	Limited Movement / Vibration	✓
Hygienic / Sterile Areas	✓	Chemical Resistance	✓
Showers Including Power Showers (2)	✓		

(1) Do not fill pool for at least 3 weeks following completion of grouting – in accordance with BS 5285 Part 4:2015. Clause 7.3.2.10

(2) Do not use shower for at least 2 weeks after completion of grouting – in accordance with BS 5385 Part 4: 20159, clauses 7.2.1

Use as an grout for

Grouting WALL and FLOOR tiles in environments where chemically resistant joints are required or where a hygienic, **durable, abrasion-resistant, waterproof finish** is required.

Whilst BAL Easypoxy AG is not recommended for direct food contact, its use is recommended for food preparation areas where a hygienic, easily cleaned surface is required.

BAL Easypoxy AG is classified by EN 13888 as a RG Reaction Resin grout.

Most type of tiles including:

- Ceramic
- Porcelain and fully vitrified tiles
- Mosaics
- Slate

Recommended for:

- Commercial food preparation areas
- Domestic kitchens and worktops
- Breweries, Abattoirs, Dairies
- Swimming and hydro-therapy pools
- Sport centres
- Bathroom, domestic and commercial showers including power showers
- Hospitals and Industrial/chemical plants

NOTE: For further information, contact the BAL TECHNICAL ADVISORY SERVICE.

Restrictions: NOT suitable for

Metal decor/lustre etc.

PRODUCT INFORMATION

Composition: Epoxide resin-based powder and liquid.

Colours: White/Grey/Black

Type/Classification: Exceeds BS EN 12004 **R2** (as an adhesive. Exceeds BS EN 13888 **RG** (as a grout)

Pack sizes: 4kg

Key features: Chemical-resistant. Ease of decontamination. Waterproof. Durable and abrasion-resistant.

Cures in: 12 hours.

Joint widths: 2-12mm

MIX/USAGE DATA

Pot Life	Cure Time	Specific Gravity
45 minutes	12 hours	1.8

APPLICATION AREAS

Bakeries/Breweries	✓
Cafes/Pubs/Restaurants	✓
Chemical Plants	✓
Changing Rooms (Spas, Jacuzzis)	✓
Dairies/Food/Drink Processing Plants	✓
Kitchens Commercial/Domestic	✓
Hospitals/Medical/Dental/Veterinary Surgeries	✓
Abattoirs	✓
Industrial Plant Rooms	✓
Shopping Malls/Supermarkets	✓
Sports/Leisure Centre	✓

COVERAGE as grout

Tile Size	Joint Width	Typical Coverage for 1 kg pack
150x150x5mm	2mm	5m ² per kg
300x300x9mm	3mm	3.7.m ² per kg

Depending on tiles and working method, an additional 0.1 to 0.2kg/m² of material may be required.

COVERAGE as adhesive

Typical coverage is 1.6-1.7 kg of adhesive per mm thickness.

^ May vary dependent on nature and flatness of surface, and on trowel used.

TEMPERATURE RESISTANCE**

-20°C to 60°C prolonged
Up to 100°C intermittent

** Cured adhesive and grout.

SURFACE PREPARATION

General as an adhesive

Before fixing wall and floor tiles, ensure that:

Surfaces to be tiled are flat, clean, dry, sound and free from contamination and all barriers to adhesion. Profiled tiles and porous tiles may result in traces of adhesive on the tile surface – if in doubt conduct a trial evaluation before proceeding.

IMPORTANT NOTE: Ensure adequate ventilation – and do NOT use in temperatures below 10°C, above 30°C or in damp conditions.

If grouting externally, provide protection against inclement weather during grouting and for as long as possible afterwards.

If grouting adjacent to food preparation areas, ensure physical segregation of work area before fixing or grouting.

If fixing onto plaster/plasterboard, check that tile weight (INCLUDING adhesive) will NOT exceed 20kg/m² (plaster) or 32kg/m² (plasterboard). Note that battens will be required if fixing tiles to walls.

MIXING

Thoroughly mix the Hardener (small container) into the Resin until a uniform mortar is produced. The use of a propeller type stirrer in a slow speed drill is advantageous.

Mix slowly and thoroughly to a uniform colour. Avoid entraining air by mixing at too high speed or by over-mixing. Note: Back-mix resin and hardener pots to ensure that no unreacted resin and hardener remains before disposing, after curing, as non-hazardous waste.

Mixed epoxy adhesive or grout working time/Pot life at 20°C: approx. 45 minutes. This is reduced at higher temperatures and extended at lower temperatures. At high temperatures it is recommended that the mortar is spread out immediately after mixing as self-heating in the container will reduce the working time/pot life.

APPLICATION

Adhesive procedure

Depending on substrate and tile type. Apply using an appropriate wall or floor tiling trowel.

1. Apply adhesive to a suitably prepared wall or floor surface and comb out with a notched trowel to give a ribbed adhesive bed.
2. Press tile firmly into the ribs of the adhesive and into position, with slight twisting/sliding action to ensure optimum adhesive contact. For floor applications, solid bed fixing should be achieved, ensuring that any voids beneath the tiles are eliminated. The minimum bed depth for floors is 3mm.
3. Fix tiles before adhesive forms skin, typically 10 minutes at 20°C (this is reduced at higher temperature and extended at lower temperatures). At high temperatures it is recommended that the mortar is spread out immediately after mixing as self-heating in the container will reduce the working time. If adhesive is no longer wet, remove adhesive and apply fresh layer.
4. Remove any excess adhesive residue from tile surface as work proceeds.
5. Occasionally lift a tile to check adhesive contact area.
6. For certain tile types in wall application a batten may be required.
7. Suitable for grouting after 12 hours at 20°C.

APPLICATION

Grouting procedure

Before grouting wall and floor tiles, ensure that: Surface and joints is clean, dry and free from contamination or loose debris.

1. Check potential staining risk: apply grout to a few tiles in small trial area. If discolouration occurs or difficulties are encountered with cleaning off (surplus grout), apply BAL PROTECTIVE SEALER – and repeat trial.
2. For glass, some natural stone, profile trims, absorbent textured or soft ceramic tiles which may be vulnerable to surface scratching, test in a small inconspicuous area to ensure compatibility, or consult the tile manufacturer/ distributor for further advice. See also BS 5385: Part 1 for further information.
3. Work in small areas using a Hard Rubber/ Grout Float. Completely fill tile joints with mixed grout and compact well, removing excess grout from tile surface as work proceeds.
4. Clean off within the working time. Using a BAL EMULSIFYING PAD (WHITE) or fine Scotchbrite pad with a little water (clean cold water) and applying gentle pressure, working in circular movement to emulsify the residues on the face and provide uniform grout joints.
5. Using a clean sponge, remove emulsified epoxy/water residue, cleaning diagonally to grout lines
6. Clean any remaining light haze from the surface next day, using a BAL EMULSIFYING PAD (WHITE) or Scotchbrite pad.

NOTE: Do not allow any surplus grout or haze to remain on the surface for more than 24 hours.

NOTE: If completing a shower, do NOT use for at least 2 weeks (as required by BS 5385 Part 4) .

Protection (food preparation/ storage areas): Tiles/mosaics to be kept dry and not brought into service until the epoxy grout has cured and hardened. Not recommended for grouting tiles with soft-glazed wall tiles or tiles with metal décor or lustre.

NOTE: As for all epoxy grouts, BAL EASYPOXY AG may yellow on exposure to sunlight or UV light or strong heat. Where strong exposure is anticipated, consider the use of BAL EASYPOXY AG GREY or BLACK.

Spillages of e.g. coffee and fruit juices may stain the surface of the grout if not cleaned immediately.

NOTE: Chemical resistance is achieved approximately 7 days after application at 20°C.

Resistant to:

Ammonia
Saturated calcium hydroxide
5% chromic acid
Fixing solution (photographic)
Ethylene glycol
Brackish water
Glycerine
Household detergent
Diesel
Saturated caustic soda
Petrol
Sea water
50% methyl alcohol
10% lactic acid
Saturated sodium hydroxide
Vegetable fats
50% phosphoric acid
10% nitric acid
36% hydrochloric acid
80% sulphuric acid
Brine
Animal fats
10%hydrogen peroxide
Saturated tartaric acid
Saturated citric acid
Treacle

Splash contact only

>5% acetic acid
Chloroform
>20% lactic acid
>40% nitric acid

PRACTICE ADVICE

For detailed information and safety guidance, please refer to Product Material Safety Data Sheet [MSDS].

TECHNICAL ADVISORY SERVICE

For free expert guidance on use of this product, or any aspect of tiling, contact the BAL TECHNICAL ADVISORY AND SPECIFICATION SERVICE on Tel: 01782 591120 or 0845 600 1 222 or Fax: 01782 591121.

POWERSPEC

A unique computerised online specification system for the design and installation of ceramic, mosaic and natural stone tiling.

Visit www.powerspeconline.com

SHELF LIFE

12 months under normal dry conditions. Protect from frost and damp.

QUALITY AND ENVIRONMENTAL STANDARDS

Manufacturing quality assurance standards conform to BS EN ISO 9001. Satisfies the environmental management requirements and operational scope of ISO 14001.

25 YEAR GUARANTEE

All BAL products are supplied with a 25 year product guarantee to be free from manufacturing defects and to be fit for purpose. The guarantee covers materials replacement costs and labour.

This guarantee is subject to use of product in accordance with BAL's instructions and technical data, and good working practice. No liability can be accepted for any loss or damage arising from incorrect use of products or poor workmanship, over which BAL has no control. 10 year anti-fungal guarantee subject to regular cleaning.

Contact BAL Marketing Department for full details.

CONDITIONS OF SALE

Sold subject to the Company's Conditions of Sale. *Available on request.*

For sales and technical queries, contact:

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NOTE: BAL reserves the right to update instructions, technical data and other information at any time without notice.

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