

admix AD1

Admixture for wall and floor adhesives

DESCRIPTION

Water-based polymer additive for BAL cementitious wall and floor adhesives

Use for

- Added to BAL cementitious adhesives to improve physical properties and performance in dry or wet, interior and exterior environments.
- Suitable for use with:
 - BAL CTF4
 - BAL SUPERCOVER RAPIDSET
 - BAL FLEX ONE
 - BAL RAPID FLEX ONE
 - BAL XL FLOOR ONE
- Increases tensile and shear adhesion strength.
- Increases flexural strength and flexibility.
- Reduces water permeability.
- Reduces water demand.

Restrictions: NOT suitable for

- Use with certain cementitious adhesives and ready mixed products.
- Timber walls.
- Use with cementitious grouts and epoxy grouts
- Use with painted surfaces, metal

PRODUCT INFORMATION

Composition: Water-based synthetic polymer emulsion

Pack size: 3.5L & 2.5L

Key features:

The addition of BAL ADMIX AD1 to BAL's cement-based adhesives greatly improves their physical properties and characteristics:

- Improves adhesion to the background and tile types
- Increased flexural strength and flexibility
- Provides greater protection used with tanking systems

NOTE: Refer to BAL TECHNICAL DATA SHEET on Adhesives for application, mixing and performance.

USAGE: COVERAGE

BAL Product	Size	Diluted Ratio	Usage	Typical Coverage: ^ Volume (litres) of ADMIX AD1 required
BAL CTF4	20kg	1:1	Wall & Floor	2.8
BAL SUPERCOVER RAPIDSET	15kg	1:1	Floor	3.0 - 3.25
BAL FLEX ONE	20kg	1:3	Wall & Floor	1.35
BAL RAPID FLEX ONE	20kg	1:3	Wall	0.9 - 1.0
BAL RAPID FLEX ONE	20kg	1:3	Floor	1.25
BAL XL FLOOR ONE	20kg	1:3	Floor	1.0

^ When used in conjunction with the appropriate BAL cement-based adhesive.

SURFACE PREPARATION

General

As recommended for use with certain BAL cementitious adhesives, (see BAL TECHNICAL DATA SHEET on preparation before tiling). At higher temperatures the open time of the modified adhesive may be slightly less than that of the unmodified material. The setting time of the adhesive will be slightly longer.

APPLICATION/USAGE

Do NOT use in temperatures below 5°C or in damp conditions.

Usage procedure

1. Shake container well before use.
2. Dilute BAL ADMIX AD1, at a ratio of 1:1 or 1:3 with clean cold water – and mix thoroughly.
3. Add the BAL cementitious adhesive to the correct quantity of diluted liquid. Mix thoroughly until slump-free mortar achieved.

NOTE: Mortar consistency can be adjusted by slightly increasing or decreasing adhesive amounts in mix (see BAL TECHNICAL DATA SHEET on mixing).

4. Clean surplus adhesive from tools/tiles before it dries.

NOTE: Setting time of adhesive that has been modified with BAL ADMIX AD1 may be extended.

TILE TYPES

Glazed Ceramic	✓	Mosaic – Ceramic	✓
Unglazed Ceramic	✓	Mosaic – Glass	✓
Porcelain	✓	Mosaic – Porcelain	✓
Natural Stone – Translucent **	✓	Mosaic – Stone	✓
Natural Stone – Non- Translucent	✓	Resin agglomerate Stone **	✓

**When using with BAL RAPID FLEX ONE or BAL XL FLOOR ONE. Confirm suitability with tile manufacturer

BACKGROUNDS / BASES

Brick (13)/Concrete (2)	✓	Plaster (3)(5)	✓
Rendering (3)	✓	Plasterboard (5)	✓
BAL BOARD/Tile Backer/Fibre Cement Boards	✓	Unglazed Ceramic Tiles / Hard Natural Stone (4)(11)	✓
(3)(4)(5)(9)(11)			
Cement:Sand Screed (3)(4)(11)	✓	Lightweight Blockwork (13)	✓
Anhydrite/Calcium Sulfate Screeds	✓	Overlaid Timber Floors – 15mm min.	✓
(4)(8)(9)(11)		(3)(4)(5)(6)(11)	
Mastic Asphalt (7)	✓	Timber Floors	✓
(4)(11)		(3)(4)(10)	
Vinyl Tiles/Sheets	✓	Glazed Tiles/Bricks	✓
(4)(11)		(4)(11)	

USAGE & SERVICE CONDITIONS

Walls	✓	Floor	✓
Interior	✓	External	✓
Dry	✓	Wet Areas	✓
Worktops (1)	✓	Showers (a)(5)	✓
Swimming Pools (b)(c)	✓	Hydrotherapy Pools (b)(c)(1)	✓
Communal Areas (4)(11)	✓	Heavy Duty Areas	✓
Underfloor Heating Systems	✓	Limited Movement/Vibration	✓
(3)(4)(9)(10)		(4)(10)	

(1) Tiles must be grouted using BAL ABSOLUTE GROUT.

(2) Provided the surface is sufficiently flat.

(3) Prime with BAL PRIME APD. (See BAL TECHNICAL DATA SHEET for more information).

(4) Do not need to prime or use BAL ADMIX products when using BAL FLEXBONE 2Easy uncoupling mat.

(5) In wet conditions tank out with BAL TANK-IT or BAL WATERPROOF 1C.

(6) Seal back face and edges with undiluted BAL BOND SBR.

(7) Check suitability of the grade of asphalt (flooring grade only).

(8) Prime with BAL PRIME APD, first coat 1:1 with water by volume, second coat undiluted 90° to the first coat.

(9) Check suitability for the intended purpose with the manufacturer or check BAL TECHNICAL DATA SHEETS on any BAL Products.

(10) When used with BAL RAPID-MAT/BAL FLEXBONE VARied or BAL FLEXBONE 2Easy uncoupling mats.

(11) May be used in conjunction with BAL RAPID-MAT/BAL FLEXBONE VARied or BAL FLEXBONE 2Easy uncoupling mats.

(12) Contact BAL TECHNICAL ADVISORY for further information.

(13) Apply a cement: sand render e.g. BAL QUICKSET RENDER or a suitable tile backing board prior to tiling.

Note:

(a) Do not use shower for at least 2 weeks after completion of grouting – BS 5385:Part 4.

(b) Do not fill pool for at least 3 weeks after completion of grouting- BS 5385:Part 4.

(c) Must be onto a watertight background.

HEALTH & SAFETY INFORMATION / GOOD 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: 03330 030160 or Email: info@building-adhesives.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. While products may be suitable for installations internally or externally, products when used externally are exempt from cover under the BAL 25 Year Guarantee. Terms and conditions apply. Full details are available for your review at www.bal-adhesives.com.

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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