



COMMEMORATIVE YEAR EDITION

**product
selection**

**Working in
partnership.**

The professionals
guide to tiling
product selection.

Range at April 23

YOU +  BAL

bal-adhesives.com



@BALtiling

BAL – a brief history

1960s

Most tile fixers were still using a traditional cement-sand mix first introduced in the Victorian age, with tiling still extremely low per capita in the UK.

The 60's saw much larger increases in tile usage, changing substrates and trends

Concerned that there were no specialist products, support or training for tiling installation in the UK, the British Ceramic Tile Council (members from all the UK tile manufacturers) formed a new company "Building Adhesives Ltd" to specifically develop high quality tiling adhesives, backed by technical support and lead standards in the UK:

BAL was born with the first adhesives sold on 1st February 1963

CTF – first cement-based tile adhesive launched

First company to deliver CPD seminars to RIBA and the tiling industry

1970s

The UK tile market continued to grow with new tiles imported from Southern-Europe also increasingly available. Building Adhesives Ltd continued to lead the UK market in the manufacturing and development of high-quality adhesives and grouts through the market-leading BAL brand.

1980s

The emergence of new markets in the Middle East and Far East led to a world-wide boom in tile production.

Responding to developing trends in tile design, substrates and fixing techniques, Building Adhesives led the way with changes in technology, particularly new ready-mix technologies first launched in this decade.

BAL launches first epoxy grouts into the UK tiling industry

1990s

With massive growth in UK tiling and a demand to improve the quality of workmanship, Building Adhesives became the first adhesive manufacturer to open a specialist training centre for standards and fixing techniques.

BAL launches UK's first anti-microbial wall and floor grouts

2000s

Building Adhesives becomes part of the ARDEX Group and continued to set high standards in quality and production, becoming one of the first to obtain the triple badge of ISO 9001, 14001 and 18001, and becoming a key player within the standards bodies BS 5385, EN 12004.

As part of its constant drive to improve UK and European standards, Building Adhesives supported the launch of The Tile Association (TTA), formed to bring the whole of the UK wall and floor tile industry under one roof.

2010s

While the effects of the recession hit the construction industries hard, BAL remained at the forefront with a focus on innovation and quality to provide value for installers and clients. Time and cost saving technologies were launched as well as a continued support to training and the development of the first lead-generation service for all UK registered tilers through Tilerworld.com

BAL Fibre Strand Technology products introduced for improved performance, unique uncoupling systems requiring less adhesive and market-leading grout technology

BAL also became a proud partner of Cool Earth – saving an area of rainforest equivalent to more than all the professional football pitches in the UK, and growing!

2020s+

BAL continues to lead with a continued focus on solutions to provide value and support new trends, with seven new products already launched in just over 2 years including our simple solution to fixing external tiles and slabs.

Working through the COVID-19 pandemic – BAL lead with its award-winning 'Back Stronger' campaign to ensure all members of the UK tiling community could communicate and get support throughout the lockdown periods and beyond.



Using global resources and solutions with ARDEX Group, and our expertise as market-leaders in the UK for 60 years, BAL continues to innovate across products, training and support services.



trust BAL to get it right

BAL is the UK's leading brand of adhesives, grouts and ancillary products for professional tile fixers. Whatever the tile material, whatever the tiling background, and whatever the function of the tiled environment, there is a BAL solution that you can completely trust for quality and lasting performance.

Helping product selection

This guide is your comprehensive aid for selecting the right products for each specific tiling task. It includes a handy reference to all BAL products, as well as reminders of various factors that professionals may need to consider in making their final selection.

For guidance and best practice advice on preparing tiling backgrounds, and using BAL products on-site, see our companion booklet
BAL professional fixing guide
SITWORK GUIDANCE



**Unique
25-year
guarantee**

Used correctly, BAL products won't let you down. That fact is reassuringly underpinned by our unique 25-year product guarantee.

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SELECTION – PRINCIPLES

key considerations

Selection priorities

The key factors that influence correct product selection are:

■ Background/base

- What is the substrate onto which tiles are to be fixed?
- Is it flat – or does it need levelling/smoothing?

■ Location

- Is it indoors or outdoors?
- Is it a domestic installation – or a public/communal place?
- Will it be a dry place, or intermittently wet – or regularly wet?

■ Service conditions

- What is the tiled area to be used for?
- Is there a power shower – or areas of total immersion i.e. a swimming pool?
- Will it be subject to movement/vibration and/or heavy trafficking? *See page 13 for flexibility guide.*
- Are there any special service requirements applicable (EXAMPLES: extra hygiene/sterile conditions/protection from bacteria/chemical resistance)?

■ Tile type and size

- Are tiles porous – or fully-glazed/vitrified?
- Are they light-coloured/translucent or natural stone?
- Is the tile material vulnerable to staining by grouting?
- Are the tiles subject to staining?
- Are they large format tiles?
- What is the tile weight per m²? (Is the substrate able to carry that weight?) *See page 12 for wall tiling weight limits.*

Note: Adhesive may take longer to set fully on certain substrates.

BAL tips

avoiding stains to preserve appearance

- *If the chosen tiles are vulnerable to water staining, select a fast-setting adhesive*
- *For light-coloured/translucent tiles or natural stone, select a rapid drying white adhesive*
- *To avoid unsightly stains on certain tile materials, use **BAL Protective Sealer** to provide temporary protection during grouting*





SELECTION – PRINCIPLES

product classifications

BAL adhesives and grouts meet or exceed European standards according to classifications that define the type and characteristics of each product:

Adhesives

Under **BS EN 12004**: 2007+A1:2012

TYPE

- C** = Cementitious
- D** = Dispersion (ready-to-use)
- R** = Reaction resin (e.g. Epoxy)

CHARACTERISTICS

- F** = Fast-setting
- T** = Reduced slip
- E** = Extended open time

Also, under

BS EN 12004:2007+A1: 2012

- S1** = Deformable
- S2** = Highly deformable

Grouts

Under **BS EN 13888**:2009

- CG** = Cementitious grout
- RG** = Reaction resin grout
- W** = reduced water absorption
- A** = high abrasion resistance

In any adhesive or grout classification above:

- 1** = Normal characteristics
- 2** = Improved/additional characteristics

Cementitious Screeds/Compounds

Under **BS EN 13813:2002**

TYPE

- CT** = Cementitious screed

CHARACTERISTICS

- C** = Compressive strength
- F** = Flexural strength

In the above classifications the compressive and flexural strength number is the recorded measurement of N/mm after 28 days.

Example BAL Level Max CT- C20 - F7 whereby compressive strength is 20N/mm and flexural strength is 7N/mm after 28 days.

Tile types

Always check that the correct adhesive and grout are selected to suit the material of the tiles to be fixed.

In addition to information in this guide, packaging for all BAL adhesives and grouts clearly identifies for which tile types the product concerned is suitable.

Porcelain tiles are now an increasingly popular choice. As they absorb a negligible amount of moisture, to achieve adhesion strength and drying times, specially formulated products for fixing and grouting are required.



BAL products suitable for use with porcelain tiles are identifiable via the **Porcelbond Plus** mark.



PRODUCT SELECTION

wall tile adhesive selector (guide only, c)

	READY MIXED				STANDARD SETTING
	Green Star	Blue Star	White Star Plus	Tile & Grout	ctf4
LOCATION					
Interior (dry)	□	□	□	□	□
Exterior	—	—	—	—	▲
ENVIRONMENTS					
Intermittent wet*	A ▲	A ▲	◻	◻	◻
Power shower	—	—	◻	◻	◻
Communal shower	—	—	◻	—	◻
Swimming pool	—	—	—	—	▲
Minor vibration	—	—	◻	◻	▲
Limited movement	—	—	◻	—	▲
BACKGROUNDS					
Lightweight block	◻	◻	◻	◻	◻
Render	◻	◻	◻	◻	◻
Brick/block	◻	◻	◻	◻	◻
Concrete, Dense brick/block	—	—	—	—	◻
Plaster	◻	◻	◻	◻	✱
Plasterboard	◻	◻	◻	◻	▲
Tilebacker boards, Fibre reinforced cement boards (such as BAL Board)	◻	◻	◻	◻	▲ & ✱
Existing Tiles: glazed ceramics, some Natural stone	◻	◻	◻	◻	▲
Existing Tiles: unglazed ceramics	◻	◻	◻	◻	◻
Lightweight Tilebacker boards	◻	◻	◻	◻	▲
Damp Proof membrane coating (i.e. BAL DPM)	—	—	—	—	▲

KEY

- = Suitable product
- ▲ = Use product with BAL Admix AD1* (1:1)
- ◻ = Use product with BAL Admix AD1* (1:3)
- A = Grout with BAL Absolute Grout
- ✱ = Prime with BAL Prime APD
- ◻ = Longer drying time (min. 3 days)
- ◻ = Render or Tile Backing Board
- ◻ = Use product with BAL Tank-It or BAL Waterproof 1C

*Kitchen/Bathroom/Domestic shower





































































































ly, contact TAS for details)








RAPID SETTING		STANDARD SETTING FLEX			RAPID SETTING FLEX		SPECIALIST	EPOXY-RESIN
Supercover Rapidset		Single Part Flexible	Max-Flex Fibre	Flex One	Supercover Rapidflex	Rapid-Flex One	Single Part Fastflex	Absolute Grout

PRODUCT SELECTION

floor tile adhesive selector (guide only, c)

	STANDARD SETTING		RAPID SETTING		STANDARD SETTING FLEX		
	ctf4		Supercor Rapidset		Single Part Flexible		Flex One
							
LOCATION							
Interior (dry)							
Exterior							
ENVIRONMENTS							
Intermittent wet*							
Power shower							
Communal shower							
Swimming pool							
Minor vibration/Heavy use							
Limited deflection							
BASES							
Cement:sand screed/ Concrete							
Flooring grade asphalt							
Anhydrite screed							
Underfloor heated screeds							
Plywood overlay							
Softwood tongue & groove floorboards	 		 		 	 	 
Vinyl tiles/sheets	 		 				
Tilebacker board, fibre reinforced cement boards (i.e. BAL Board)	 		 				
Uncoupling membrane** (such as BAL Rapid-Mat)							
Existing tiles: glazed							
Existing tiles: unglazed, Hard natural stone							
Damp Proof membrane coating (i.e. BAL DPM)							
	[STANDARD SETTING]		[RAPID SETTING]		STANDARD SETTING FLEX		

KEY

-  = Suitable product
-  = Use product with BAL Admix AD1* (1:1)
-  = Use product with BAL Admix AD1* (1:3)
-  = Use product with BAL Rapid-Mat
-  = Use with BAL Bond SBR
-  = Prime with BAL Prime APD
-  = Use product with BAL Tank-It or BAL Waterproof 1C

*Kitchen/Bathroom/Domestic shower

**Can vary with matting system used.

For guidance, contact BAL Technical Advisory Service






ly, contact TAS for details)

RAPID SETTING FLEX		POURABLE	SPECIALIST	EPOXY- RESIN
Rapid-Flex One		XL Floor One	Single Part Fastflex	Absolute Grout
Supercover Rapidflex				





PRODUCT SELECTION

wall tile grout selector *(guide only, contact T.*


	CEMENTITIOUS		ANTIMICROBIAL
	Bal Grout	Grout Flex	Micromax3 ECO
			
LOCATION			
Interior (dry)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exterior	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ENVIRONMENTS			
Intermittent wet*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Power shower	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Communal shower	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Swimming pool	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Minor vibration	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited movement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SPECIFIC FEATURES			
Antibacterial	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hygienic/sterile – food use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemically resistant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
*Kitchen/Bathroom			
	CEMENTITIOUS		ANTIMICROBIAL

floor tile grout selector

	CEMENTITIOUS	ANTIMICROBIAL
	Grout Flex Wide Joint	Micromax3 ECO
		
LOCATION		
Interior (dry)	<input type="checkbox"/>	<input type="checkbox"/>
Exterior	<input type="checkbox"/>	<input type="checkbox"/>
ENVIRONMENTS		
Intermittent wet*	<input type="checkbox"/>	<input type="checkbox"/>
Domestic shower	<input type="checkbox"/>	<input type="checkbox"/>
Power shower	<input type="checkbox"/>	<input type="checkbox"/>
Communal shower	<input type="checkbox"/>	<input type="checkbox"/>
Swimming pool	<input type="checkbox"/>	<input type="checkbox"/>
Minor vibration/Heavy use	<input type="checkbox"/>	<input type="checkbox"/>
Limited deflection	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SPECIFIC FEATURES		
Antibacterial	<input type="checkbox"/>	<input type="checkbox"/>
Hygienic/sterile – food use	<input type="checkbox"/>	<input type="checkbox"/>
Chemically resistant	<input type="checkbox"/>	<input type="checkbox"/>
Moderate trafficking	<input type="checkbox"/>	<input type="checkbox"/>
Heavy trafficking	<input type="checkbox"/>	<input type="checkbox"/>
*Kitchen/Bathroom		
	CEMENTITIOUS	ANTIMICROBIAL



(Contact TAS for details)

EPOXY-RESIN	
Absolute Grout	
	
LOCATION	
<input type="checkbox"/>	Interior (dry)
<input type="checkbox"/>	Exterior
ENVIRONMENTS	
<input type="checkbox"/>	Intermittent wet*
<input type="checkbox"/>	Power shower
<input type="checkbox"/>	Communal shower
<input type="checkbox"/>	Swimming pool
<input type="checkbox"/>	Minor vibration
<input type="checkbox"/>	Limited movement
SPECIFIC FEATURES	
<input type="checkbox"/>	Antibacterial
<input type="checkbox"/>	Hygienic/sterile – food use
<input type="checkbox"/>	Chemically resistant

KEY



☐ = Suitable product

☒ = Use product with BAL Admix GT1* (1:1)

☒ = Use product with BAL Admix GT1* (1:2)

*Kitchen/Bathroom/Domestic shower –
Contact Technical Advisory Service



EPOXY-RESIN	
Absolute Grout	
	
Floor Epoxy	
	
LOCATION	
<input type="checkbox"/>	Interior (dry)
<input type="checkbox"/>	Exterior
ENVIRONMENTS	
<input type="checkbox"/>	Intermittent wet*
<input type="checkbox"/>	Domestic shower
<input type="checkbox"/>	Power shower
<input type="checkbox"/>	Communal shower
<input type="checkbox"/>	Swimming pool
<input type="checkbox"/>	Minor vibration/Heavy use
<input type="checkbox"/>	Limited deflection
SPECIFIC FEATURES	
<input type="checkbox"/>	Antibacterial
<input type="checkbox"/>	Hygienic/sterile – food use
<input type="checkbox"/>	Chemically resistant
<input type="checkbox"/>	Moderate trafficking
<input type="checkbox"/>	Heavy trafficking





SELECTION – FACTORS AND GUIDANCE

wall tiling weights

When tiling walls, it is vital to ensure that:

- The combined weight of tiles PLUS adhesive and grout is compatible with the tiling background
- The tiling background/substrate is rigid and stable
- The correct adhesive is selected

The table below gives general guidance on maximum recommended weights for tiling some common types of building board.

Typical weight equivalents

20kg/m²

– ceramic tiles up to 8mm thick (max.) or natural stone tiles up to 7mm thick (max.)

32kg/m²

– ceramic tiles up to 12.5mm thick (max.) or natural stone tiles up to 10mm thick (max.)

Remember to allow 2-4kg/m² for adhesive *in addition to* the declared tile weight per m².

Typical wall substrates: Maximum tiling weight guide

Wall substrates	Maximum weight* of tiling per m ² (inclusive of adhesive & grout)
Gypsum plaster	20kg/m ²
Gypsum plasterboard direct (i.e. without a plaster skim)	32kg/m ²
BAL Board (Lightweight tile-backing boards*)	Up to 100kg/m ² (Guide only)
Glass reinforced cement sheets*	Up to 50kg/m ² dependent upon type/thickness of board
Gypsum fibre boards*	Approx. 35- 40kg/m ²

* RECOMMENDATION: Seek further advice/guidance from the manufacturers for weight of tiling for their boards and the correct installation of these boards





SELECTION – FACTORS AND GUIDANCE

flexibility

BAL ADHESIVES

+ ↑ FLEXIBILITY ↓ -	single part fastflex	Elastomeric – highly-flexible
	rapid-flex one	+ admix AD1 Addition of Admix AD1 gives extra flexibility
	flex one	
	x1 floor one	
	supercover rapidset	
	ctf4	
	max-flex fibre	Good flexibility as single part (with no admix)
	rapid-flex one	
	flex one	
	single part flexible	
	supercover rapidflex	
	x1 floor one	
	white star plus	
	supercover rapidset	For use on rigid substrates only
	ctf4	
	tile & grout	
	blue star	
	green star	

BAL GROUTS

+ ↑ FLEXIBILITY ↓ -	micromax3 ECO grout	+ admix GT1 Highly flexible when Admix GT1 added
	bal grout	
	micromax3 ECO grout	Good flexibility as single part
	grout flex wide joint	
	grout flex	
	bal grout	Very limited flexibility when set





SELECTION – FACTORS AND GUIDANCE

using admixtures

The physical properties and performance of certain **cement-based** adhesives and grouts can be improved by adding admixtures to the mix.

This may be to:

- increase flexural strength and flexibility: for backgrounds/bases subject to limited movement or vibration
- reduce water permeability: to give extra protection to water-sensitive backgrounds and minimise the risk of efflorescence

and

- (for adhesives) increase tensile and shear adhesion strength: essential for fixing glazed/vitrified and other tiles to dense, impervious surfaces
- (for grouts) increase mechanical strength: to provide greater adhesion and abrasion resistance

The diluted admixture should replace an equivalent volume of the required water in mixing the product.

For adhesives

BAL Admix AD1 @ 1:1 with water, may be added to:

- **ctf4**
- **Supercover Rapidset**

BAL Admix AD1 @ 1:3 with water, may be added to:

- **Rapid-Flex One**
- **XL Floor One**
- **Flex One**

For grouts

BAL Admix GT1 may be added to:

- **Bal Grout (1:2 with water)**

For single layer timber floors

BAL Admix GT1 may be added to:

- **Micromax3 ECO (1:2 with water)**

BAL tips

grouting in more demanding situations

- *If using these products for grouting in especially demanding situations (EXAMPLE: tiling to single layer timber floors), **BAL Admix GT1** should be diluted as per above ratios.*





primer guide

Before tiling, certain wall and floor backgrounds/substrates require priming.

This may be to:

- reduce porosity of backgrounds/bases, and so prevent formation of air bubbles.
- isolate surfaces containing calcium sulphate from cement-based adhesives, and so minimise risk of chemical reaction.

Ensure surfaces to be tiled are flat, clean, dry, sound, free from contamination and all barriers to adhesion.

Allow each coat of primer to dry between coats (second coat applied at 90° to the first).

- prepare surface for waterproofing/tanking, or for application of levelling compound.

If using on floors, do NOT allow to form puddles.

BAL Prime APD – TWO coats neat

BAL Bond SBR – TWO coats

(diluted 1:2 with clean water by volume)

- Gypsum plaster[§]
- Softwood tongue-and-groove floorboards
- Plywood/Chipboard Floors[#]

BAL Prime APD – TWO coats

(1st coat diluted 1:1 with clean water by volume, 2nd coat neat)

BAL Bond SBR – TWO coats

(1st coat diluted 1:4 with clean water by volume, 2nd coat diluted 1:2 with clean water by volume)

- Calcium sulphate screed
- Anhydrite screed

BAL Prime APD – ONE coat

(diluted 1:1 with clean water by volume)

BAL Bond SBR – ONE coat

(diluted 1:4 with clean water by volume)

- Gypsum plaster[‡] (Contact BAL Technical Advisory Service)
- BAL Board[§]

Note: – if required i.e. surface is slightly dusty or porous.

- Cement:sand render[§]
- Concrete[§]
- Cement:sand screed[§]

[§] If using cementitious adhesives

[‡] If using ready-mixed dispersion adhesives

[#] Apply ONE coat of neat **BAL Bond SBR** to the reverse side and edges

Note:

Seek further advice/guidance from board manufactures on priming surfaces or contact BAL Technical Advisory Service.

BAL tips

second coat priming

When TWO coats of primer are required, it's Good Practice to apply the second coat at 90° to the first coat – i.e. one coat horizontally, and one vertically. Always allow each coat to dry.

PREPARATION Floor Levelling



- Bed depth 2–30mm
- Fibre-reinforced with built-in polymer
- Rapid high strength: foot traffic from 30 mins, tile from 45 mins
- Suitable for use on underfloor heating and timber floors
- Protein free formulation
- Self-smoothing, shrinkage compensated with 'one pour' excellent flow

level fast

Single-part fibre-reinforced fast-setting high performance leveller

USE FOR:

- preparing floors for tiling
- use on substrates including timber floors and underfloor heating
- ideal for fast-track installations due to rapid-hardening properties
- dry – interior

MAY BE TILED AFTER: 45 minutes (at any thickness from 2mm to 30mm)

COLOUR: Grey

CLASSIFICATION: BS EN 13813:2002 CT-C30-F7

TYPICAL COVERAGE (per pack):

with THICKNESS:	3mm
SIZE:	20kg 4.0m ²

Always refer to Technical Data Sheets for full information.



- Bed depth 2–80mm (can be used with BAL AGGREGATE)
- Fibre-reinforced with built-in polymer
- Used for suitable timber floors (can be applied at only min. 3mm thickness providing 3 times the coverage of most alternative products)
- Protein free formulation and pumpable
- Self-smoothing, shrinkage compensated with excellent flow

level max

Single-part fibre-reinforced self-smoothing compound

USE FOR:

- preparing floors for tiling, including timber floors
- substrates including underfloor heating
- dry – interior

MAY BE TILED AFTER: 4 hours (at any thickness from 2mm to 80mm)

COLOUR: Grey

CLASSIFICATION: BS EN 13813:2002 CT-C20-F7

TYPICAL COVERAGE (per pack):

with THICKNESS:	3mm
SIZE:	25kg 5.0m ²

Always refer to Technical Data Sheets for full information.

PREPARATION

Floor Levelling

acrybase

Two-part Self-smoothing Compound

USE FOR:

- preparing floors for tiling
- most substrates
- dry/wet – interior/exterior

MAY BE TILED AFTER: 4 hours

COLOUR: Grey

CLASSIFICATION: BS EN 13813:2002 CT-C35-F10

TYPICAL COVERAGE (per pack):

with THICKNESS:	3mm
SIZE:	23.5kg 5.0m ²
	+ 5 litre liquid

Always refer to Technical Data Sheets for full information.



- Bed depth feather edge to 10mm. Up to 20mm max. with addition of suitable aggregate
- For heavy-trafficked floors
- Fast-hardening: sets in 3 hours

level out

EXTERNAL RANGE

Fast Setting External Levelling Compound

USE FOR:

- smoothing rough or impact damaged concrete
- laying onto concrete substrates that are uneven
- bed depth from 2mm up to 20mm thickness
- dry/wet external environments including total immersion in pools
- domestic or commercial use

MAY BE TILED AFTER: 3 hours

COLOUR: Grey

TYPE/CLASSIFICATION: Exceeds BS EN 13813 CT – C30 – F7

TYPICAL COVERAGE (per pack):

with THICKNESS:	5mm
SIZE:	25kg 3m ²

Always refer to Technical Data Sheets for full information.



- Smoothing rough or impact damaged concrete
- Suitable for external applications
- Fast setting
- Walkable after 2-3 hours
- Apply from 2mm to 20mm thick in a single application

PREPARATION Render/Screen



- Polymer-modified cement/sand mix
- Pre-blended
- Rapid-setting: sets in 2 hours

quickset render

Preparation Render for Walls

USE FOR:

- most substrates
- dry/wet – interior/exterior

MAY BE TILED AFTER: 2 hours

COLOUR: Grey

TYPICAL COVERAGE (per pack):

with THICKNESS:	3mm
SIZE:	25kg 5.3m ²

Always refer to Technical Data Sheets for full information.



- New improved formulation
- Low shrinkage with rapid strength development (80% less shrinkage than Ordinary Portland Cement screed)
- Pumpable for quick installation
- Can be used with underfloor heating systems
- Suitable for areas of total immersion (i.e. swimming pools)
- Water/frost resistant
- Increased working time of 60 minutes (at 20°C)

quickset cement

For use in Screeds and Render Mortars

USE FOR:

- screeding or rendering to prepare wall and floor surfaces prior to installing most tile types
- dry/wet – interiors/exterior
- fast-setting: accepts foot traffic in 3 hours

MAY BE TILED AFTER:

- 4 hours (on bonded screeds)
- 48 hours (on un-bonded or floating screeds)

COLOUR: Grey

CLASSIFICATION: BS EN 13813:2002 CT-C40-F7

TYPICAL COVERAGE (per pack):

	SCREED (at 50mm thickness)		RENDER (at 10mm thickness)	
cement:sand ratio	1:4	1:5	1:7	1:4
SIZE: 20kg	1.0m ²	1.1m ²	1.5m ²	5.6m ²
or 20m ² if used for SLURRY BONDING COAT mixed with sand by equal weight and BAL BOND SBR diluted 1:1 with water				

Always refer to Technical Data Sheets for full information.



PREPARATION

Damp-proofing

BAL DPM

Multi-purpose Damp Proof Membrane,
Waterproofer and Primer

USE FOR:

Multi-purpose Primer / DPM / Waterproof coating
As a Primer

- Allows tiling onto difficult substrates such as steel and masonry
- Aids adhesion on flooring grade asphalt

As a one coat DPM

- Soft flooring or tiling (when tiling a priming coat is also required)
- Where no structural DPM is present
- Tiling over anhydrite screed at up to 87% RH
- Walls and floors for basements below water table
- Over sand:cement screeds, power floated concrete, existing tiles

As a waterproofer

- Waterproofing walls and floors internally and for BAL external tiled systems

As a one coat residual moisture vapour suppressant

- Protecting floor covering from moisture, allowing controlled passage of moisture vapour protecting adhesive and tiled surface

COLOUR: Light Grey

TYPICAL COVERAGE (per pack):

Pack Size	Thickness	Coverage
5ltr BAL DPM	200 microns	24m ²
5ltr BAL DPM	350 microns	13.5m ²
25kg BAL Sand	N/A	25m ²
BAL Tape	N/A	10mtrs

Always refer to Technical Data Sheets for full information.



- High performance multi-purpose two-component kit for wall and floor applications
- One coat damp proof membrane
- Solvent free
- Resistant to water, chemical, grease and pollutants
- Durable and abrasion-resistant



PREPARATION

Waterproofing



- Simple, easy to apply two-part mix
- Total waterproof protection
- Rapid-setting; allows tiling in 90 minutes
- Applied on both walls and floors
- Ideal for internal and external areas



- Flexible
- Waterproof/seamless: sets in 2 hours
- Maximum weight mirrors that of wall background

tank-it

The Complete Rapid-setting Waterproofing Kit
USE FOR:

- wet – interior and external
- power showers, wet rooms, laundry/utility rooms, swimming pools, hydrotherapy and spa pools, fountains, water features, terrace and balconies

MAY BE TILED AFTER: 90 minutes

COLOUR: Dark Grey

CLASSIFICATION: Exceeds the requirements for BS EN 14891: 2012

TYPICAL COVERAGE (per pack):

with THICKNESS:	1mm*
SIZE:	5kg/5ltr 7.0m ²

*2 coats = 1mm thickness

Always refer to Technical Data Sheets for full information.

waterproof 1C

The one-coat waterproofing solution

USE FOR:

- flexible, seamless one-coat waterproofing before tiling
- most substrates
- dry/wet interior
- showers, bathrooms, kitchens, laundry/utility rooms
- around drainage channels, upstands, pipes and floor wastes
- crack bridging 2-3mm

MAY BE TILED AFTER: 2 hours

COLOUR: Light Grey

TYPICAL COVERAGE (per pack):

with THICKNESS:	0.8mm – 1.6mm
SIZE:	5ltr 6m ² – 3m ²

Note: BAL Waterproof 1C can be applied without any priming onto plasterboard, cement: sand render, screeds, concrete, plywood overlays, BAL Board (smooth side) and onto BAL Rapid-Mat.



Priming is only required on plaster, cement boards and BAL Board (tiling side). Here, one coat neat of **BAL Primer 1C** must be used, allowing to dry for 15-30 minutes before applying BAL Waterproof 1C.

Always refer to Technical Data Sheets for full information.

PREPARATION

Primers/Sealers/Admixtures

prime APD

Acrylic Primer for Walls & Floors

USE FOR:

- preparing floor and wall backgrounds prior to fixing of ceramic/mosaic and natural stone tiles
- dry/wet – interior/exterior

USE UNDILUTED ON:

- plaster walls when using a BAL cementitious powder adhesive
- tongue & groove floorboards

USE DILUTED 1:1 with clean water on:

- dusty/porous plaster walls when using a BAL ready-mixed adhesive
- cement: sand screed/concrete floors
- anhydrite/calcium sulfite screeds. 2 coats.
1st coat 1:1 with clean water. 2nd coat undiluted.

MAY BE TILED AFTER: 30 minutes

TYPICAL COVERAGE (per pack):

		UNDILUTED	DILUTED 1:1 WITH CLEAN WATER
SIZE:	2.5L	12.5-25m ²	25-50m ²

Always refer to Technical Data Sheets for full information.



- Stabilises dusty tiling substrates
- Reduces background porosity

bond SBR

Multi-purpose Bonding & Priming Agent for Walls & Floors

USE FOR:

- enhancing the physical properties/performance of mortars including adhesion, durability, flexibility, waterproofing and workability
- dry/wet – interior/exterior

TYPICAL COVERAGE (per pack):

AS BONDING AID/ADMIXTURE

SIZES:	1L	5L
Plastering (12mm bed):	5m ²	25m ²
Rendering (12mm thick):	1.5m ²	7.5m ²
Screeding (50mm thick):	0.25m ²	1.25m ²
@10 LITRES PER 50KG OPC		

AS PRIMER

SIZES:	1L	5L
Undiluted:	12m ²	60m ²
Diluted 1:4 clean water:	60m ²	300m ²
Diluted 1:2 clean water:	36m ²	180m ²

AS SLURRY COAT

SIZES:	1L	5L
Portland cement (1mm thick):	3m ²	15m ²

Always refer to Technical Data Sheets for full information.



- Priming of plaster/screed/timber/vinyl surfaces
- Admixture for screeding/rendering mortars
- Promoting increased bond strength/waterproofing/performance properties

PREPARATION

Primers/Sealers/Admixtures



- Improves adhesion and flexibility
- Suitable for use with porcelain tiles

admix AD1

Admixture for Wall & Floor Adhesives

USE FOR:

- improving physical properties/performance of some BAL cementitious powder adhesives including:
**BAL CTF4/BAL Supercovers Rapidset/
BAL XL Floor One*/
BAL Rapid-Flex One*/
BAL Flex One***
- dry/wet – interior/exterior

TYPICAL COVERAGE (per pack):

DILUTED 1:1 WITH CLEAN WATER	
SIZES: 3.5L	21-29kg of BAL cementitious powder adhesive
2.5L	14-21kg of BAL cementitious powder adhesive

*BAL XL Floor One diluted 1:3 with clean water

*BAL Rapid-Flex One diluted 1:3 with clean water

*BAL Flex One diluted 1:3 with water

Always refer to Technical Data Sheets for full information.



- Improves grout flexibility
- Suitable for use with porcelain tiles

admix GT1

Admixture for Wall and Floor Grouts

USE FOR:

- improving physical properties/performance of some BAL cementitious powder grouts including:
**BAL Grout/
BAL Micromax3 ECO***
- dry/wet – interior/exterior

TYPICAL COVERAGE (per pack):

DILUTED 1:1 WITH WATER	
SIZES: 2.5L	17-20kg of BAL Grout
1L	7-8kg of BAL Grout
DILUTED 1:2 WITH WATER	
SIZES: 2.5L	30-37kg of BAL cementitious powder grout
1L	7-8kg of BAL Grout

*BAL Micromax3 ECO diluted 1:2 with clean water

Always refer to Technical Data Sheets for full information.



PREPARATION

Backerboard

BAL Board

Non-hazardous lightweight tile backer board for all internal environments

USE FOR:

- providing a stable substrate to both walls and floors
- fixing large format wall or floor tiles, with a weight tolerance up to 100kg per m²
- fixing most finishes including: tiles/stone and mosaics, emulsion and oil based paints and wallpaper, plaster and render applications
- wet rooms, bathrooms, kitchens and swimming pool areas
- suitable for use with underfloor heating

MAY BE TILED: immediately, once security fixed and rigid

COLOUR: Grey

TYPICAL COVERAGE (per pack):

	PRODUCT	DIMENSIONS	WEIGHT
SIZE:	6mm	1200 x 600 x 6mm	4.5kg
	12mm	1200 x 600 x 12mm	9kg

Always refer to Technical Data Sheets for full information.

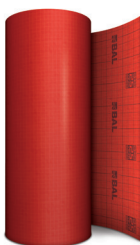


- Alternative to plasterboard and timber when fixing tiles
- Simple, easy to handle, fix and with dust free cutting
- Water and mould resistant
- Provides a strong and stable surface for finishes



PREPARATION

Uncoupling systems



- Uses over 20% less adhesive than matting systems with cavities
- Highly engineered, lightweight matting for ease of use
- Minimal loss of loading capacity making it suitable for medium/heavy duty commercial projects as well as domestic projects

rapid-mat



Uncoupling matting for fast track tiling onto problematic floors

USE FOR:

- protecting floor tiling against cracks, fractures and other damage caused by stresses and lateral movement in the substrate
- suitable for most problematic floor substrates including timber floors, new screeds and floors with under-tile heating systems
- suitable for most tile types including mosaics

MAY BE TILED: immediately

TYPICAL COVERAGE (per pack):

30m² (1m x 30m)

Always refer to Technical Data Sheets for full information.

BAL tips



Did you know...

BAL Single Part Fast Flex is an adhesive with in-built uncoupling, meaning it protects tiling on problematic substrates without the need for a mat? See page 35 for details



PREPARATION

Uncoupling systems

flexbone 2Easy



Unique floating uncoupling mat for unprepared problem floors

USE FOR:

- large format ceramic, porcelain, natural stone, slabs with minimum edge length of 200mm
- protecting existing floor coverings
- unprepared internal floor substrates – provided they are flat
- counteracting tension stresses between substrate and tiled surface
- cracked substrates, mixed substrates, bitumen, contaminated and stained substrates
- heated floors, timber floors, existing load bearing floor surfaces
- new cement:sand screeds (when walkable), anhydrite screeds at 1.5% CM (usually 0.5% CM)

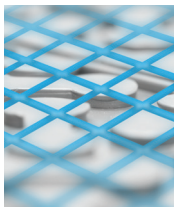
MAY BE TILED: immediately

COLOUR: Grey with blue mesh

TYPICAL COVERAGE (per pack):

20m² (1m x 20m)

Always refer to Technical Data Sheets for full information.



- No removal of residue or laitance and no priming, simply brush clean
- Fast-track tiling for fresh anhydrite and sand:cement screeds
- Complete ventilation through perforations in the mat and joints
- Save a massive 2kg/m² on adhesive compared to bonded mats
- Perfect for rental properties, heritage projects and retail stores
- Tile surface can be easily removed

flexbone VArised

Advanced high load-bearing uncoupling membrane for substrates with limited movement

USE FOR:

Minimising tension stresses between substrate and floor to be tiled

- Prevents reflective cracking caused by shrinkage cracks, board joints and lateral movement
- Installation of large format ceramic, porcelain, slabs and natural stone tiles with minimum edge length of 100mm
- Crack bridging and allowing safe installation on challenging substrates
- Heated screeds, new cement screeds, timber floors and existing floor surfaces
- Waterproofing wet areas – no tanking needed

MAY BE TILED: immediately

COLOUR: Grey

TYPICAL COVERAGE (per pack):

20m² (1m x 20m)

Always refer to Technical Data Sheets for full information.



- Patented GripLock technology providing greatest adhesive strength
- Unique bone structure enables high flexibility and excellent deformability
- High shear strength provides for higher levels of lateral movement
- Special fleece provides for vapour pressure compensation
- Less adhesive required, around 30% faster application of adhesive than other cavity mats
- Perfect for high load bearing projects such as shopping malls, airports, car showrooms, office buildings and hospitals

For background and application info, please see our Sitework Guidance booklet.

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PREPARATION

External Tiling



- Can be laid from 10mm-100mm
- > 1hr working time at 20°C
- Walkable in 12 hours
- Freeze/thaw resistant
- Just mix with water

bedding mortar **EXTERNAL RANGE**

Pre-blended cement and graded fillers to provide a mortar bed

USE FOR:

- external dry or wet applications
- laying a mortar bed before fixing external pavers and tiles
- bed depth from 10mm (min 25mm on MOT Type 1) up to 100mm thickness
- domestic or commercial use

MAY BE TILED AFTER: 12 hours

COLOUR: Grey

TYPE/CLASSIFICATION: Conforms to requirements of BS 7533-4

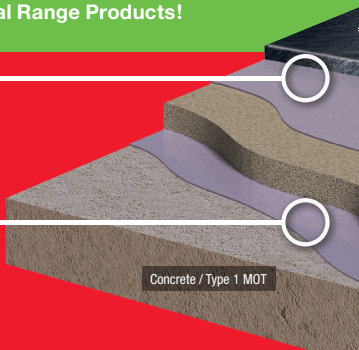
TYPICAL COVERAGE (per pack):

with THICKNESS:	10mm
SIZE:	25kg 1.25m ²

Always refer to Technical Data Sheets for full information.

Simple installation onto Concrete or Type 1 MOT

Easy fixing with just 3 BAL External Range Products!



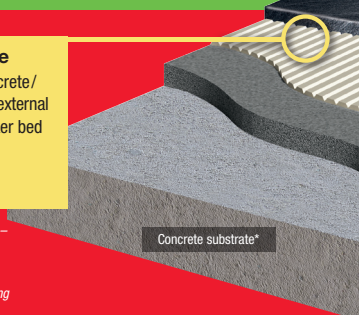
Installation onto Concrete (perfect condition for tiles)

A simple installation with just a maximum of 2 BAL External Range products plus a suitable BAL tile adhesive!



BAL XL Floor One

If tiling direct onto concrete / leveller, a suitable BAL external tile adhesive with thicker bed depths can be used.



* If the concrete is in sound condition with required falls – but does require some inconsistencies on the concrete surface to be removed BAL Level Out should be used. Where thicker substrate heights, provision of substrate falls, or an improved base for tiles is required, then using BAL Bedding Mortar is recommended.

PREPARATION

External Tiling

priming slurry bond

EXTERNAL
RANGE

Flexible slurry primer to bond external pavers and tiles



USE FOR:

- applying suitable porcelain tiles, stone and pavers onto BAL Bedding Mortar
- preparing backgrounds for receiving mortar beds
- external floors installed as per BS 7533-4

COLOUR: Grey

TYPE/CLASSIFICATION: Conforms to requirements of BS 7533-4

TYPICAL COVERAGE (per pack):

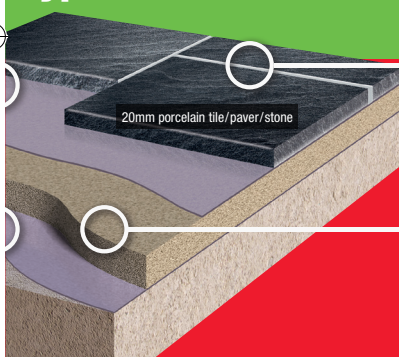
with THICKNESS:	2mm
SIZE:	20kg 8m²

Always refer to Technical Data Sheets for full information.

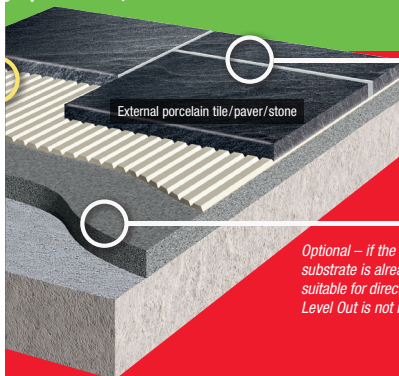


- Excellent bond strength between base and pavers or tiles
- Fast and simple to use
- Only requires mixing with water

Type 1 MOT



on for tiling) ge products,



Optional – if the concrete substrate is already fully suitable for direct tiling BAL Level Out is not required.



the most-trusted tiling system under the sun

Everything needed to tile exterior areas – no problem!

- ✓ A simple, easy-to-use system
- ✓ Easily install pavers and external tiles onto concrete and Type 1 MOT sub-bases
- ✓ Based on the most common methods of fixing external tiles and pavers
- ✓ Market-leading performance and quality for improved installations

EXTERNAL RANGE



YOU + BAL

bal-adhesives.com



@BALtiling



ADHESIVES

Ready-mixed wall adhesives

green star

Tile Adhesive for Walls

USE FOR:

- 300x300mm ceramics/mosaics
- dry/intermittent wet – interior

GROUT AFTER: 24 hours

COLOUR: White

CLASSIFICATION: BS EN 12004 D1TE

TYPICAL COVERAGE (per pack):

		DRY WALL	WET WALL
SIZES:	15kg	6.0m ²	4.95m ²

Always refer to Technical Data Sheets for full information.



- Excellent non-slip
- High bond strength
- Easy to apply
- Extended open time

blue star

Tile Adhesive for Walls

USE FOR:

- 300x300mm ceramics/mosaics
- dry/intermittent wet – interior
- domestic/commercial

GROUT AFTER: 24 hours

COLOUR: White

CLASSIFICATION: BS EN 12004 D1TE

TYPICAL COVERAGE (per pack):

		DRY WALL	WET WALL
SIZES:	10L	6.6m ²	5.0m ²
	5L	3.3m ²	2.5m ²
	1L	0.66m ²	0.5m ²

Always refer to Technical Data Sheets for full information.



- Excellent non-slip
- High bond strength
- Easy to apply

ADHESIVES

Ready-mixed wall adhesives



- Fibre Strand Technology for maximum performance
- Highly flexible
- Highly water-resistant
- Excellent non-slip
- High bond strength
- Light-weight rheology for easier and faster application
- Enhanced white colour
- Use with some porcelain tiles
- Extended open time

white star plus

Highly Flexible
Tile Adhesive for Walls



USE FOR:

- 300x300mm or max surface area of tile up to 0.09m² ceramics/mosaics
- some porcelain tiles (up to 150x150mm or max surface area of tile up to 0.0225m²)
- dry/wet – interior
- domestic/commercial – including communal showers/commercial kitchens

GROUT AFTER: 24 hours

COLOUR: White

CLASSIFICATION: BS EN 12004 D2TE

TYPICAL COVERAGE (per pack):

SIZES:	DRY WALL		WET WALL
	10L	6.6m ²	5.0m ²
	5L	3.33m ²	2.5m ²
	2.5L	1.66m ²	1.25m ²

Always refer to Technical Data Sheets for full information.



- Highly water-resistant adhesive
- High bond strength
- Can be used as a grout in domestic environments
- Not suitable for power showers

tile & grout

Flexible Tile Adhesive for Walls and Grout

USE FOR:

- 300x300mm ceramics/mosaics
- dry/wet – interior
- most interior domestic walls (commercial walls as adhesive only)

GROUT AFTER: 24 hours OF ADHESIVE APPLICATION

COLOUR: White

CLASSIFICATION: BS EN 12004 D2T

TYPICAL COVERAGE (per pack):

SIZES:	AS ADHESIVE		AS GROUT (200x200x8mm tiles and 3mm joints)
	DRY WALL	WET WALL	
5L	3.3m ²	2.5m ²	16.6m ²
2.5L	1.65m ²	1.25m ²	8.3m ²

Always refer to Technical Data Sheets for full information.

ADHESIVES

Cementitious powdered wall & floor adhesives – Standard-setting

ctf4

Tile Adhesive for Walls & Floors

USE FOR:

- most tile types, including porcelain
- suitable for most rigid substrates/backgrounds
- dry/wet – interior/exterior
- including showers/swimming pools*

POT LIFE at 20°C: 5 hours

GROUT AFTER: 16 hours

COLOUR: White

CLASSIFICATION: BS EN 12004 C2TE



- Non-slip
- Good bond strength
- Extended open time
- Suitable for swimming pools*/ showers
- Slow setting – grout after 16 hours
- Add **BAL Admix AD1** to enable extra applications

* with BAL Admix AD1 (Diluted 1:1 by volume with water).

TYPICAL COVERAGE (per pack):

	DRY WALL	WET WALL	FLOOR
SIZES: 20kg	8.0m ²	6.6m ²	5.0m ²

Always refer to Technical Data Sheets for full information.

single part flexible

Flexible Tile Adhesive for Walls and Floors

USE FOR:

- most tile types, including porcelain
- suitable for most substrates/backgrounds, including those with limited movement/vibration and for underfloor heating
- dry/wet – interior/exterior
- including showers/swimming pools/ total immersion

POT LIFE AT 20°C: 5 hours

GROUT AFTER: 16 hours

COLOUR: Grey and White

CLASSIFICATION: BS EN 12004 C2TE



- Flexible
- Non-slip
- Excellent bond strength
- Installation subject to limited vibration, shrinkage, deflection and heated screeds

TYPICAL COVERAGE (per pack):

	DRY WALL	WET WALL	FLOOR
SIZES: 20kg	10.0m ²	8.0m ²	5.2m ²

Always refer to Technical Data Sheets for full information.

ADHESIVES

Cementitious powdered wall & floor adhesives – Standard-setting



- Highly flexible
- Excellent non-slip and bond strength
- Water/frost resistant
- Super-smooth consistency for mix and application
- Extended open time

max-flex fibre

Highly Flexible Tile Adhesive for Walls & Floors

USE FOR:

- most tile types, including porcelain and glass*
- suitable for most substrates/backgrounds, including those with limited movement/vibration and for underfloor heating
- dry/wet – interior/exterior
- including swimming pools

POT LIFE AT 20°C: 5 hours

GROUT AFTER: 16 hours

COLOUR: Grey (20kg only); White (20kg/5kg)

CLASSIFICATION: BS EN 12004 C2TES1

TYPICAL COVERAGE (per pack):

	DRY WALL		WET WALL	FLOOR
TROWEL TYPE:	Mosaic	Round notched		
SIZES: 20kg	12.0m ²	10.0m ²	8.0m ²	5.2m ²
5kg	3.0m ²	2.5m ²	2.0m ²	1.3m ²

*Please contact the BAL Technical Advisory and Specification Service. Always refer to Technical Data Sheets for full information.



- Extended working time of 2½ hours, to avoid waste in buckets
- Extended open time up to 45 minutes to allow easier fixing to larger areas
- Ready to grout in only 6-8 hours to avoid project delays
- Full wettability; thixotropic and fluid with shape memory
- Suitable for use up to 15mm thick, allowing for surface irregularities and isolated building-out
- Suitable in areas of minor vibration or limited movement
- Add **BAL Admix AD1** for extra applications, diluted 1:3 by volume with water

flex one

Enhanced Flexible Standard-setting Adhesive for Walls & Floors with extended open & working times

USE FOR:

- most tile types, including ceramics, porcelain and fully vitrified, mosaics, natural stone (excluding moisture sensitive, or translucent), rigid foam insulating materials and brick slips
- suitable for most substrates/backgrounds, including those with limited movement/vibration and for underfloor heating
- dry/wet – interior/exterior
- large format wall/floor tiles
- including showers/swimming pools/ total immersion

POT LIFE AT 20°C: 2.5 hours

GROUT AFTER: 6-8 hours

COLOUR: White

CLASSIFICATION: BS EN 12004 C2TE S1

TYPICAL COVERAGE (per pack):

	DRY WALL	WET WALL	FLOOR
SIZES: 20kg	10.0m ²	8.0m ²	5.2m ²

Always refer to Technical Data Sheets for full information.

ADHESIVES

Cementitious powdered wall & floor adhesives – Rapid-setting

supercover rapidset

High Yield, Rapid-setting
Tile Adhesive for Walls & Floors



USE FOR:

- most tile types, including porcelain
- suitable for most rigid substrates/
backgrounds
- dry/wet – interior/exterior
- including showers

POT LIFE at 20°C: 45 minutes

GROUT AFTER: 2 hours

COLOUR: Grey

CLASSIFICATION: BS EN 12004 C1FT

TYPICAL COVERAGE (per pack):

	DRY WALL	WET WALL	FLOOR
SIZE: 15kg	9.6m ²	7.8m ²	6.0m ²

Always refer to Technical Data Sheets for full information.



- Goes 60% further (vs standard adhesive coverage)
- Easier application/workability
- Water/frost-resistant
- Excellent bond strength
- Add **BAL Admix AD1** for extra applications

supercover rapidflex

High Yield, Flexible and
Rapid-setting Tile Adhesive
for Walls & Floors



USE FOR:

- most tile types, including porcelain
- suitable for most substrates/
backgrounds, including those with limited
movement/vibration and for underfloor heating
- dry/wet – interior/exterior
- including showers/swimming pools/total immersion

POT LIFE at 20°C: 45 minutes

GROUT AFTER: 3 hours

COLOURS: Grey and White

CLASSIFICATION: BS EN 12004 C1FTS1 (grey);

BS EN 12004 C1FT (white)

TYPICAL COVERAGE (per pack):

	DRY WALL	WET WALL	FLOOR
SIZE: 15kg	12.0m ²	9.6m ²	6.3m ²

Always refer to Technical Data Sheets for full information.



- Goes 60% further (vs standard adhesive coverage)
- Easier application/workability
- Flexible
- Highly water/frost-resistant
- Excellent bond strength

ADHESIVES

Cementitious powdered wall & floor adhesives – Rapid-setting



- 3 times longer open-time than most rapidsets; apply to larger areas to reduce installation time
- 2 times longer working-time than most rapidsets
- Allows larger mixes, and avoids waste
Rapid-setting: grout after just 3 hours
- FST formulation: excellent flexibility and strength
- Ideal for use with large format*
- Suitable for most installations subject to limited vibration, shrinkage, deflection and heated screeds
- Add **BAL Admix AD1** for extra applications

* with BAL Admix AD1 (Diluted 1:3 by volume with water).

rapid-flex one

Highly Flexible and Rapid-setting
Tile Adhesive for Walls & Floors with
extended open & working times



USE FOR:

- most tile types, including porcelain, natural stone, rigid foam insulating materials and brick slips
- suitable for most substrates/backgrounds, including those with limited movement/vibration and for underfloor heating
- dry/wet – interior/exterior
- including showers/swimming pools/total immersion

POT LIFE AT 20°C: 60 minutes

GROUT AFTER: 3 hours

COLOUR: White

CLASSIFICATION: BS EN 12004 C2FE S1

TYPICAL COVERAGE (per pack):

	DRY WALL	WET WALL	FLOOR
SIZE: 20kg	10.0m ²	8.0m ²	5.2m ²

Always refer to Technical Data Sheets for full information.

ADHESIVES

Cementitious powdered adhesives – Pourable / Specialist

x1 floor one

Flexible thick bed floor tile adhesive for large format tiles



USE FOR:

- most large tile types (including porcelain), natural stone, external tiles / use on uneven surfaces
- dry/wet – interior/exterior
- including swimming pool bases/wet room

POT LIFE AT 20°C: 90 minutes

GROUT AFTER: 6 hours

COLOUR: White

CLASSIFICATION: BS EN 12004 C2E

TYPICAL COVERAGE (per pack):

with THICKNESS:	3mm
SIZE: 20kg	5.0m ²

Always refer to Technical Data Sheets for full information.



- Pourable
- High strength and flexibility
- Ideal for large format and natural stone tiles
- Water/frost-resistant
- Semi-rapid setting: grout in 6 hours
- Add **BAL Admix AD1** for extra applications

single part fastflex

One-part Elastomeric Tile Adhesive for Walls & Floors



USE FOR:

- most tile types, including porcelain
- suitable for most substrates/backgrounds, including those with movement/vibration/sound reduction and for underfloor heating
- dry/wet – interior/exterior

POT LIFE AT 20°C: 45 minutes

GROUT AFTER: 5 hours

COLOUR: Grey and White

CLASSIFICATION: BS EN 12004 C1S2

TYPICAL COVERAGE (per pack):

TROWEL TYPE:	Thick bed solid bed	Large format	Solid bed tipped
SIZE: 12.5kg	6.5m ²	4.25m ²	5.75m ²

Always refer to Technical Data Sheets for full information.



- Rubber-like flexibility
- Allows tiling direct on timber floors without uncoupling mats
- Allows tiling direct to steel
- Water/frost resistant
- Improves sound reduction properties of tiled floors (used with approved acoustic mat) to help achieve requirements of Building Regs Part E (resistance to sound)

GROUTS

Cementitious grouts



- Water/frost-resistant
- Add **BAL ADMIX GT1** to enable extra applications, diluted 1:2 or 1:1 by volume with water

bal grout

Tile Grout for Walls

JOINTS: up to 3mm

USE FOR:

- ceramics/mosaics
- porcelain (with BAL Admix GT1)
- dry/wet – interior/exterior
- including swimming pools (with BAL Admix GT1)/showers (NOT power showers)

POT LIFE AT 20°C: 60 minutes

SETS IN: 24 hours

COLOURS: White

CLASSIFICATION: BS EN 13888 CG1

TYPICAL COVERAGE (per pack):

TILE SIZES:	150x150x5.5mm	200x200x5.5mm
with JOINT WIDTH:	2mm	2mm
SIZES:	20kg	102.4m ²
	10kg	51.2m ²
	3.5kg	17.9m ²
	1.5kg	7.7m ²
		10.2m ²

NOTE: Water-resistant tile adhesive/tanking required for wet applications

Always refer to Technical Data Sheets for full information.



- Narrow joint grout, ideal for walls
- Suitable with most tile types including porcelain & natural stone
- Strength & flexibility for areas with limited movement and for use in dry or wet areas such as power showers or pools
- 2 hours working time ideal for large projects
- Colour pigments locked-in for colour consistency on full or part mixes
- Smooth and easy to mix and apply
- Key colourways for most tiling projects.
- Use in joints up to 5mm

grout flex

Flexible Tile Grout for Walls*

JOINTS: up to 5mm

USE FOR:

- most tile types, including porcelain
- dry/wet – interior/exterior
- including swimming pools/power showers

POT LIFE AT 20°C: 2 hours

SETS IN: 24 hours

COLOURS: White, Jasmine Cream, Light Grey, Mid Grey and Dark Grey

CLASSIFICATION: BS EN 13888 CG2WA



TYPICAL COVERAGE (per pack):

TILE SIZES:	150x150x5.5mm	200x200x5.5mm
with JOINT WIDTH:	2mm	2mm
SIZES:	10kg	47.9m ²
	5kg	23.95m ²
		31.75m ²

NOTE: Water-resistant tile adhesive/tanking required for wet applications

*May be used on some floors depending on tile type, area and traffic. Please contact BAL Technical Advisory Service for more information on 01782 591120 or 03330 030160

Always refer to Technical Data Sheets for full information.

GROUTS

Cementitious grouts

grout flex wide joint

Flexible Tile Grout for Floors & Walls

JOINTS: from 3mm to 20mm

USE FOR:

- most tile types, including porcelain
- dry/wet – interior/exterior
- including swimming pools/power showers

POT LIFE AT 20°C: 2 hours

SETS IN: 24 hours

COLOURS: White, Jasmine Cream, Light Grey,
Mid Grey and Dark Grey

CLASSIFICATION: BS EN 13888 CG2WA



TYPICAL COVERAGE (per pack):

TILE SIZES:	300x300x9mm	200x200x9mm
with JOINT WIDTH:	3mm	3mm
SIZES:	10kg	21.9m ²
	5kg	11.0m ²

NOTE: Water-resistant tile adhesive/tanking required for wet applications

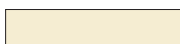
Always refer to Technical Data Sheets for full information.

- Wide joint grout ideal for floors
- Suitable with most tile types including porcelain & natural stone
- Strength & flexibility for areas with limited movement such as timber overlay, heated screeds, or heavy traffic and for use wet areas such as power showers or pools
- 2 hours working time ideal for large projects
- Colour pigments locked-in for colour consistency on full or part mixes
- Smooth and easy to mix and apply
- Key colourways for most tiling projects
- Use in joints from 3mm to 20mm

Grout Flex and **Grout Flex Wide Joint** are available in these 5 colours:



White



Jasmine Cream



Light Grey



Mid Grey



Dark Grey

All colour indications are for guidance only.

GROUTS

Microban® antimicrobial cementitious grouts



- Super fine formulation
- Strong and flexible to avoid shrinkage, slumping or cracking
- Consistent colour – no efflorescence, patchiness or shading
- Water/frost-resistant
- Suitable for swimming pools
- Contains Microban® antimicrobial protection: for extra hygiene
- 25% recycled materials
- EMICODE EC1 Plus for low emissions
- Even easier to apply and clean-off
- Less haze during clean-off process



Matching colour sealants also available with most grouts (see page 41)

micromax3 eco

Rapid-setting,
Flexible Tile Grout with
Microban® for Walls & Floors

PROTECTION THAT LIVES ON
MICROBAN®



JOINTS: from 1mm – 30mm

USE FOR:

- most tile types, including porcelain
- dry/wet – interior/exterior
- including power showers, wet rooms and swimming pools

POT LIFE AT 20°C: 30 minutes

SETS IN: 2-3 hours

COLOUR CHOICE: (see below)

CLASSIFICATION: BS EN 13888 CG2WA

TYPICAL COVERAGE (per pack):

TILE SIZES:	300x300x9mm	200x200x9mm
with JOINT WIDTH:	3mm	3mm
SIZES: 10kg	40.0m ²	26.8m ²
5kg	20.0m ²	13.4m ²
2.5kg	10.0m ²	6.7m ²

NOTE: Water-resistant tile adhesive/tanking required for wet applications

Always refer to Technical Data Sheets for full information.

Micromax3 ECO Grout is available in these 18 colours:

White	Jasmine
Pebble	Walnut
Hazel	Mahogany
Gunmetal	Smoke
Dovetail	Tornado Sky
Taupe Grey	Storm Grey
Anthracite	Ebony
Cornflower White	Peppermint
Pink Champagne	Primrose

Colours are shown for guidance only.



GROUTS

External grouts

terrace grout

EXTERNAL
RANGE

High performance flexible joint compound
for pavers and tiles

JOINTS: up to 15mm

USE FOR:

- most paver and tile types
- exterior

POT LIFE AT 20°C: 45 minutes

SETS IN: 24 hours

COLOURS: Beige, Light Grey, Dark Grey
and Charcoal

CLASSIFICATION: BS EN 13888



- Super smooth and hard-wearing finish
- Mixes quickly on-site with water
- Exceptional bond strength and flexibility
- Joint widths up to 15mm
- Available in 4 key colours
- Frost and heat resistant

TYPICAL COVERAGE (per bag):

TILE SIZE:	600x600x20mm
with JOINT WIDTH:	5mm
SIZE:	10kg 5m ²

Always refer to Technical Data Sheets for full information.

Terrace Grout is available in these 4 colours:



Beige



Dark Grey



Light Grey



Charcoal

All colour indications are for guidance only.



Matching colour
sealants also available
with most grouts
(see page 41)





GROUTS

Epoxy grouts



- Hygienic
- Highly chemical-resistant
- Hard-wearing: high resistance to abrasion/impact

floor epoxy

Three-part Hygienic Impervious Epoxy Resin Tile Grout for Floors



JOINTS: up to 20mm

USE FOR:

- most tile types – dry/wet – interior/exterior
- large installations including: supermarkets/malls/ swimming pools/sports centres/ food preparation plants/hospitals/industrial plants

POT LIFE AT 20°C: 60 minutes

CURES IN: 24 hours

COLOUR: Smoke and Ebony

CLASSIFICATION: BS EN 13888 RG

TYPICAL COVERAGE (per pack):

TILE SIZES:	300x300x9mm
with JOINT WIDTH:	3mm
SIZE:	10kg 32.5m²

Always refer to Technical Data Sheets for full information.



- Waterproof, hygienic & chemical-resistant
- Suitable for heavy trafficked areas as both an adhesive and durable/abrasion-resistant grout
- Ideal for almost all applications/substrate and materials for both walls and floors
- Ideal finish and protection in showers, bathrooms, kitchens, swimming/ hydro therapy pools, food preparation areas, hospitals/ industrial plants

absolute grout

Hygienic Waterproof Tile Adhesive and Grout for Walls & Floors



USE AS AN ADHESIVE FOR:

- fixing wall and floor tiles; ceramics, porcelain and fully vitrified tiles, mosaics, and glass or translucent tiles including glass mosaics
- suitable for use with approved resin backed stone tiles
- ideal for use in wet areas, including swimming pools
- for interior and exterior environments where high levels of adhesion and/or chemical resistance is required

USE AS A GROUT FOR:

- grouting wall and floor tiles; ceramics, porcelain and fully vitrified tiles, mosaics, in dry or wet interior and exterior environments that are subject to chemical attack, or where a hygienic, durable, abrasion-resistant, waterproof finish is required
- for joint widths from 2-12mm
- recommended for food preparation areas where a hygienic, easily cleaned surface is required

POT LIFE AT 20°C: 60 minutes

CURES IN: 16 hours

COLOUR: White, Smoke and Ebony

CLASSIFICATION: BS EN 12004 R2 (adhesive)

BS EN 13888 RG (grout)

TYPICAL COVERAGE (per pack):

AS ADHESIVE				
TROWEL TYPE:		Mosaic DRY WALL	Mosaic WET WALL	Mosaic FLOOR
SIZE:	2kg	1.1m ²	0.7m ²	0.5m ²
AS GROUT				
TILE SIZES:		150x150x5mm	300x300x9mm	
with JOINT WIDTH:		2mm	3mm	
SIZE:	2kg	10.0m ²	7.4m ²	

Always refer to Technical Data Sheets for full information.



SEALING/TILE CARE

Silicone sealants & Temporary protection

silicone

Flexible ready-to-use Silicone Rubber Sealant

USE FOR:

- general purpose sealing, including movement joints
- most surface types
- dry/wet – interior/exterior
- sinks/worktops/baths/basins

NOTE: Not suitable for some natural stones

CURES IN: 24 hours (per 4mm thickness)

COLOURS: White, cream and transparent

CLASSIFICATION: BS EN 15651-3:2012 S

TYPICAL COVERAGE (per pack):

with BEAD SIZE:	6x6mm
SIZE:	310ml 8.7m

Always refer to Technical Data Sheets for full information.

micromax sealant

Anti-Mould Silicone Sealant
for Walls & Floors

PROTECTION THAT LIES ON
MICROBAN®

USE FOR:

- sealing movement joints
- protecting against bacteria and black mould
- most surface types, including acrylic/ceramic/fibreglass/glass/glazed/painted
- dry/wet – interior/exterior

NOTE: Not suitable for some natural stones

CURES IN: 24 hours (per 3mm thickness)

COLOURS: White, Jasmine, Pebble, Walnut, Hazel, Mahogany, Gunmetal, Smoke, Dovetail, Tornado Sky, Taupe Grey, Storm Grey, Anthracite and Ebony. (Colours match those within Micromax3 ECO grout range – see page 38 or 42)

CLASSIFICATION: BS EN 15651:3:2012 XS1

TYPICAL COVERAGE (per pack):

with BEAD SIZE:	6x6mm
SIZE:	310ml 8.7m

Always refer to Technical Data Sheets for full information.

protective sealer

Temporary Protection prior to Grouting

USE FOR:

- preventing discolouration of tile surfaces whilst grouting
- most smooth faced tile types
- dry/wet – interior/exterior

TYPICAL COVERAGE (per pack):

TILE SIZES:	152x152x5.5mm
SIZE:	2.5L 25-37m ² (with 2 coat application)

Always refer to Technical Data Sheets for full information.

For background and application info, please see our Sitework Guidance booklet.



- Flexible: ready-to-use
- Service temperature range: -50°C to +150°C
- Firm bonding



- Waterproof and weatherproof
- Excellent adhesion
- Service temperature range: -50°C to +200°C
- Contains Microban® antimicrobial protection: for extra hygiene
- Protects against bacteria and black mould



- Protects surface against discolouration when using pigmented grouts
- Simply wash off after grouting



COLOUR CHOICE

antimicrobial coloured grouts

Antimicrobial grouts for Walls and Floors

Micromax3 ECO Grout is
available in these 18 colours:

PROTECTION THAT LIVES ON
MICROBAN®



micromax3 eco



White



Pebble



Hazel



Gunmetal



Dovetail



Taupe Grey



Anthracite



Cornflower White



Pink Champagne



Jasmine



Walnut



Mahogany



Smoke



Tornado Sky



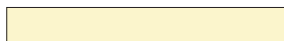
Storm Grey



Ebony



Peppermint



Primrose

Colours are shown above for guidance only.
For actual colour match, ask to see BAL grout
swatches at your BAL stockist.

BAL tips

reducing the risk of variation

The final colour of a grout can be affected by a number of factors.

When selecting products, remember that:

- there can be a slight difference between grout product batches
- the addition of **BAL Admix GT1** can intensify the colour

TIP To help minimise the risk of colour variation:

- *Use the same batch number wherever possible*
- *Plan for consistent mix ratio when adding admixture*

Other factors affecting grout colour concern site conditions and installation practice (see **SITE GUIDANCE** for further **BAL TIPS**).





COLOUR CHOICE

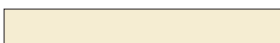
flexible coloured grouts

Flexible grouts for Walls and Floors

grout flex & grout flex WIDE JOINT



White



Jasmine Cream



Light Grey



Mid Grey



Dark Grey

external coloured grouts

External grouts for Pavers and Tiles

terrace grout EXTERNAL RANGE



Beige



Dark Grey



Light Grey



Charcoal

Colours are shown above for guidance only.
For actual colour match, ask to see BAL grout
swatches at your BAL stockist.

BAL tips

reducing the risk of variation

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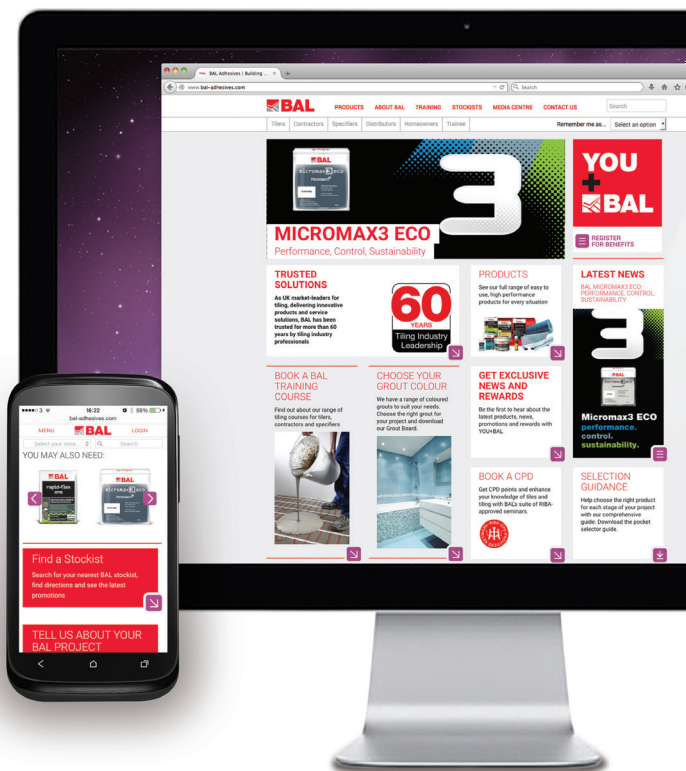
PROFESSIONAL SUPPORT SERVICES

BAL-Adhesives.com – information and advice at your fingertips

New and improved, **www.bal-adhesives.com** brings together the best of BAL on the web with exclusive features and benefits for tilers, contractors, specifiers, homeowners or trainees.

Log-in today for:

- Full information about BAL products and services
- Downloadable literature including Technical Data Sheets, Material Safety Data Sheets, tip sheets, products guides and case studies.
- Improved stockist locator – find branch directions, promotions, information
- Find a Trusted Tiler tool and review a tiler facility
- On-line technical advice
- Training guides and course information



PROFESSIONAL SUPPORT SERVICES

Sector specific business development tools include:

Tilers

- Build your own web profile and showcase your work, experience and qualifications
- Generate homeowner leads and quote for work

Contractors

- Get M40 specification support
- Find an Apprentice with our unique tool

Specifiers

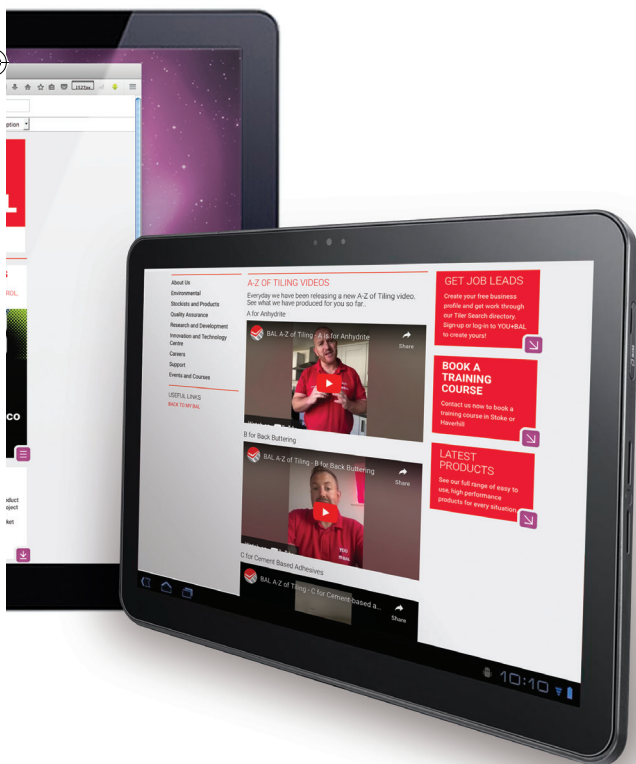
- Link to BAL BIM objects on the NBS National BIM Library
- Get FREE instant M40/M20 specs
- Request CPDs
- Get FREE tile sample testing

Homeowners

- Find a trusted tiler, review tiler work and get the chance to win back the cost of your tiling job!
- Get inspiration, tips and advice
- Access retail promotions

Trainees

- Exclusive training guides and development materials and access to connect with contractors to find apprenticeships.





PROFESSIONAL SUPPORT SERVICES

BAL training

BAL Training – Getting fully qualified

At BAL we believe that quality workmanship is just as important as high quality products, which is why training is at the top of our agenda. In 1992, we became the first tile adhesive manufacturer to open a

specialist training centre for standards and tile fixing techniques, while we enhanced our training offer with the opening of our state-of-the-art Innovation and Technology Centre at our Stoke-on-Trent HQ in 2015.

Training Courses tailored for you

Building on more than 20 years of training heritage, we offer a full range of day courses providing practical and theoretical training for fixers, apprentices, students, distributors and specifiers.

We offer a flexible approach to learning, from one-day to five-day courses, while you can also pick and choose your modules with our bespoke training option.

As well as in-house training, we also offer training on-site and at our regional centres, while we work extensively with colleges and retailers around the country supporting Diploma-level qualifications.

Our training courses are endorsed by The Tile Association (TTA) and the Construction Industry Training Board (CITB) and have been highly commended by the National Training Association (NTA).



BAL Training – Booking a course

Find out more about our latest training courses by visiting <https://ardexacademy.uk>

Training is available at our Academy Centres in Stoke-on-Trent and Haverhill, Suffolk

BAL Technical Advisory Service

The expertise behind the trusted BAL range of tiling adhesives and grouts is also always on hand to support professional fixers.

The **BAL Technical Advisory and Specification Service** handles approx 50,000 queries annually – providing FREE assistance, advice and specifications for all aspects of ceramic tiling installations.

In addition, a nationwide team of **BAL Training & Technical Support** are available to offer practical knowledge and on-site advice and training.

Call
03330 030160

(Calls to this number are charged at local rate)

Alternatively, email your enquiry to:
info@building-adhesives.com





Micromax3 ECO
standout
performance.
greater control,
guaranteed
results.
sustainability
without
compromise.



BAL Micromax3 ECO delivers all the qualities of BAL Micromax2, with enhanced product performance, improved useability and added eco-benefits.

- ✓ Microban® antimicrobial protection against black mould and mildew, locked-in colour consistency and an efflorescence-free formulation
- ✓ Even easier application and clean off – even on textured tiles; with smooth fillers and significantly less haze after initial clean-off, ensuring perfect grout lines
- ✓ Environmentally friendly with over 25% recycled materials and EMICODE EC1 Plus designation

YOU + BAL

bal-adhesives.com



@BALtiling



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