



Integral Waterproofer

PREVENTS WATER PENETRATION OF MORTAR

Date: 07 November 2018

Fact Sheet No.: TDS00553

YOUR SMART ADVANTAGES

- Waterproofing and plasticiser for mortar
- Ideal for renders
- Improves mortar workability

USES

Bostik Integral Waterproofing (formerly known as Cementone Integral Waterproofing) is an alkaline soap of mixed fatty acids which react chemically with cement to form hydrophobic salts that reduce water penetration. Bostik Integral Waterproofing helps reduce efflorescence and lime bloom by restricting moisture movement. It aids the reduction of crazing in rich mixtures by controlling the rate of evaporation. It waterproofs and plasticises mortar for external or basement renderings and in swimming pools, sewers and tank linings as part of the overall waterproofing system specification. Bostik Integral Waterproofing is chloride-free and has no corrosive effect on reinforcement. It is not suitable for use in structural concrete.

PRODUCT CHARACTERISTICS

Colour	Yellow
Form	Liquid
Specific Gravity	1.02 approx.
Composition	Viscous liquid of mixed fatty acids and Sodium Hydroxide (less than 2%)
Product Codes	30812494 2.5 litre x 6 30812493 5 litre x 4 30812492 25 litre

	30812540 210 Litre
	30612465 1 litre x 6 (EN/PL/RO)
	30612466 1 litre x 6 (FR/ES/PT)
	30612463 5 litre (EN/PL/RO)
	30612464 5 litre FR/ES/PT)

Storage/Shelf Life

Store and transport securely in an upright position. Ensure the cap is fully closed. Store for up to 15 months from date of manufacture when stored in original unopened packaging in cool, dry place within the temperature range +5°C to +25°C and out of direct sunlight. Protect from frost.

TYPICAL PERFORMANCE DATA (Approx.)

Application Temperature	+5°C to +25°C
Mix Ratios	Dilute with gauging water in the ratio 1 part Bostik Integral Waterproofing to 30 parts water. Reduce gauging water accordingly.
Solvent for Cleaning Up	Water

DIRECTIONS FOR USE

IMPORTANT: Before using Bostik Integral Waterproofing refer to the relevant Health & Safety Data Sheet, available at www.bostik.com/uk.

This product has been designed to work with Portland cement: CEM I and Portland-fly ash cement: CEM II/B-V. For other types of cement e.g. Portland-limestone CEM II / A-LL it is recommended that a small trial is carried out to ascertain the optimum mix ratios as cement and sand types can vary.

IMPORTANT: Do not use in concrete which is structural i.e. loadbearing, reinforced or pre-stressed. Work should not be carried out at temperatures below +5°C or when temperatures are expected to fall below this. Ensure materials and procedures comply with the appropriate standards. Do not exceed ratios stated. Do not overmix. When rendering protect render from drying too quickly. Do not use with other admixtures. Do not add to lime based mixes. Do not use with high alumina, sulphate resisting or extra rapid hardening cement. This product is not vapour proof, therefore structures must incorporate a suitable damp-proof membrane. Not suitable for floor screeds. Ensure the substrate is strong enough to support the weight of any renders being applied. Work must be carried out according to local regulations.

PREPARATION

1. Refer to local standards or in the UK follow appropriate British Standard Codes of Practice and ensure work is carried out in accordance with BSEN1996 Parts 1 & 2 and PD6697 : 2010.
2. Rendering to new brickwork: leave with raked mortar joints to form a key.
3. Rendering to old brickwork: rake out old concrete or render. Remove old plaster or decoration. Make good and ensure backing is sound and free from laitance, dust, grease, oil, and damp.
4. Stabilise porous surfaces first by applying a coat bonding primer. This is made of 1 part Bostik SBR mixed with 2 parts cement. Mix to a smooth consistency and brush vigorously into surface. Allow to harden (min. 16 hours, max. 72 hours). Apply a second coat of bonding primer made of 1 part Bostik SBR, 1 part water and 5 parts cement. Render while this coat is still tacky/wet.
5. Shake well before use.

APPLICATION

Waterproofing tanks, ponds and against ground water pressure

Walls:

6. Apply render to a properly prepared surface. Gauge mix as stiff as possible to minimise the risk of cracking.
7. Apply render in 2 coats to a total thickness of 20 to 25mm.
8. Apply the first render coat to 12 to 15mm thickness. Extend it onto the floor approximately 400 mm from the internal wall floor angle. Form a cove at the internal angle. Carefully scratch to form a key. Do not pierce render.
9. Apply the second render coat to 8-10mm thickness, when the first coat is firm (min. 6 hours, max. 24 hours). Extend it onto the floor approximately 200 mm from the internal wall floor angle.
10. Prevent the render from drying out too much in the first 48 hours by mist spraying with water or covering with polythene.

Floor/Base:

11. Apply mix to a thickness of 36 to 40mm.
12. Overlap all joints to form a 90 degree angle to the wall.
13. Mist spray with water or cover with polythene to prevent it from drying too fast for 48 hours.
14. For ponds, tanks or swimming pool - clean thoroughly after it has dried completely. For ponds - partially fill with water, leave for 24 hours then check pH before stocking with fish. Do not use in structures which hold potable water.

External rendering

15. Do not use on weak backgrounds. Refer to local standards or in the UK refer to BSEN13914-1 : 2016 for guidance.
16. Apply render in 2 coats to a total thickness of 18 to 20mm.
17. The subsequent coats must be thinner and weaker than the preceding coats.
18. A scrape finish is recommended for waterproof renderings.
19. Do not allow rendering to dry out too quickly during the first 48 hours - spray mist or cover with polythene.
20. Where appropriate external renders should terminate with a bell mouth.

Roughcast

21. Apply backing coat to a minimum thickness of 12 mm - scratch to form a key.
22. Apply roughcast finish - using Bostik Integral Waterproofer in the mix.

Replastering after insertion of D.P.C.

23. Add Bostik Integral Waterproofer to the mix.
24. Apply mix to a thickness of 10 to 12mm.
25. If required apply second coat to 8 to 10mm thickness. Scratch surface of previous coat to key.
26. The gauging liquid should be kept to the minimum to provide reasonable workability.
27. Do not apply strong mixes over weaker substrates. e.g. plaster, soft bricks etc.
28. Scrape finish and spray mist to reduce cracking for the first 48 hours. Allow to cure thoroughly before applying plaster.
29. New plasterwork must not bridge the D.P.C. and should finish 25mm above the floor.

Bricklaying mortars

30. Bostik Integral Waterproofer helps reduce the

movement of water soluble salts.

CLEANING

31. Clean tools and equipment with water immediately after use.

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For any application not covered please contact Technical Services on +44 (0)1785 272625 or visit www.bostik.com/uk for advice.

Recommendations and suggestions are for guidance only, since conditions of use are completely beyond our control.

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Health and Safety Data sheet for Bostik Integral Waterproofofer, available at www.bostik.com/uk.

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



**CONSTRUCTION PRODUCT REGULATION
DECLARATION OF PERFORMANCE**

No: TDS00553

Product Description: **Bostik Integral Waterproofer**

Product Code: **5011734001251, 5011734001268, 5011734001275, 5010591004146,
3549212479923, 5010591004153 & 3549212479930**

Intended Use: **For Use as an Air Entraining/Plasticising
Admixture for Masonry Mortar**

Manufacturer: **Bostik Ltd**
Contact Address: **Ulverscroft Road
Leicester
LE4 6BW**

System of Assessment: **System 2+**

Harmonised Standard: **EN934-3: 2009 + A1:2012**

BSi 0086 performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control under system 2+ and issued the certificate of conformity of the factory production control.

Declared Performance:

Essential Characteristics	Performance	Harmonised technical specification
Chloride ion content	<0.1% by mass	EN934-3: 2009 + A1:2012
Alkali content	1.3% by mass	
Corrosion behaviour	NPD Contains components only from EN934-1:2008 Annex A.1	

The performance of the product Bostik Integral Waterproofer 5011734001251, 5011734001268, 5011734001275, 5010591004146, 3549212479923, 5010591004153 & 3549212479930 is in conformity with the declared performance shown in the table above.

This declaration of performance is issued under the sole responsibility of Bostik Ltd.

Signed for and on behalf of Bostik Ltd by:

Name: Marriane Drayton

Function: Quality Manager

Signature: 

Date: February 2018

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