



Cementone Entrainit

POWDERED MORTAR PLASTICISER

Date: 19 August 2020

Fact Sheet No.: TDS00190

YOUR SMART ADVANTAGES

- Improves workability and durability of mortar
- Minimises cracking and crazing
- Complies with EN934-3

USES

Bostik Entrainit Powdered Mortar Plasticiser is a powdered mortar plasticiser and air-entraining agent that improves the workability of the mortar, its durability and frost protection without the addition of lime. It is suitable for use in mortars for bricklaying, plastering and rendering.

Entrainit Powdered Mortar Plasticiser is a soluble organic sulphonate formulated to plasticise mortar mixes by the entrainment of minute air bubbles. It is particularly effective with well-graded sharp sands as these produce the best mortars, but are difficult to work. Mortars containing Entrainit Powdered Mortar Plasticiser spread easily and hang well, reducing droppings. They also retain water to help produce a better bond and provide durable, watertight joints. Entrainit Powdered Mortar Plasticiser is economical, helping to reduce wastage.

PRODUCT CHARACTERISTICS

Colour	White
Form	Powder
Specific Gravity	0.38 approx.
Composition	Soluble organic sulphonate
Product Codes	30812484 3kg* 30614140 12.5kg* 30812486 5.25kg *These packs contain a scoop which when filled level measures 21g

Storage/Shelf Life	Store and transport securely in an upright position. Ensure the lid is secure. Store for up to 2 years from date of manufacture in original, unopened packaging in cool, dry conditions within the temperature range +5°C to +25°C and out of direct sunlight. Protect from frost.
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TYPICAL PERFORMANCE DATA (Approx.)

Application Temperature	+5°C to +25°C
Dosage	Normal mortars: 1 sachet/scoop per 50kg cement Where coarse sand is used, rendering or plastering: 2 sachets/scoops per 50kg of cement
Cleaning	Clean tools and equipment with water immediately after use

DIRECTIONS FOR USE

IMPORTANT: Before using Bostik Entrainit Powdered Mortar Plasticiser, refer to the relevant Health & Safety Data Sheet, available at www.bostik.com/uk.

DOSAGE

Type of Mix	Dosage per 50kg of Cement
Normal mortars	1 sachet or scoop
Where coarse sand is used, rendering or plastering	2 sachets or 2 scoops

MIXING

Application	Mix Design
Strong clay brick (engineering) laying, external rendering, splatterdash, pebbledash, roughcast, strong undercoat and pointing	3 : 1 coarse sand/cement + Bostik Entrainit Powdered Mortar Plasticiser
Normal strength bricklaying, general undercoat and finishing coat (for internal/external renders)	6 : 1 sand/cement + Bostik Entrainit Powdered Mortar Plasticiser
Laying lightweight blocks	8 : 1 sand/cement + Bostik Entrainit Powdered Mortar Plasticiser
Gypsum undercoat	2 : 1 sand/gypsum + Bostik Entrainit Powdered Mortar Plasticiser

APPLICATION

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. load bearing, reinforced, pre-stressed or steam cured. 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. 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. Not suitable for floor screeds. Ensure the substrate is strong enough to support the weight of any render being applied to it. For trade use only.

Machine mixing:

1. Add the contents of sachet/scoop directly into mixer at any stage, at the rate of 1 sachet or scoop per 50kg cement depending on the mix requirements.
2. Entrainit reduces the amount of water required. Adjust to achieve desired consistency.
3. Switch off during rest periods to avoid excessive air entrainment.

Hand mixing:

4. Dry mix the sand and cement and ring out.
5. Pour water into ring.
6. Sprinkle Entrainit onto the water, depending on mix requirements.
7. Stir with shovel, and then mix normally.

8. Turn over mortar well as it comes to the wet state.
9. Do not overdose.
10. Do not use with other admixtures except Bostik Colours for Cement.

Bricklaying:

11. Select mortar on basis of site requirements.

Renderings and plasters:

12. Select mortar to suit background, exposure and finish required.
13. The mix design for each successive coat should be weaker and thinner than the coat it is applied to.

CLEANING

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

PRECAUTIONS IN USE

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 Entrainit Powdered Mortar Plasticiser, available at www.bostik.com/uk.

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



**CONSTRUCTION PRODUCT REGULATION
DECLARATION OF PERFORMANCE**

No: TDS00190

Product Description: **Bostik Entrainit Powdered Mortar Plasticiser**
Product Code: **5010591370012, 5011734045576, 5011734033344 & 501173403337**
Intended Use: **For Use as an Air Entraining/Plasticising
Admixture for Masonry Mortar**
Manufacturer: **Bostik Ltd**
Contact Address: **Common Road
Stafford
ST16 3EH**
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	<5% by mass	
Corrosion behaviour	NPD	

The performance of the product Bostik Entrainit Powdered Mortar Plasticiser 5010591370012, 5011734045576, 5011734033344 & 501173403337 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: Marianne Drayton

Function: Quality Manager

Signature:



Date: February 2020

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Full information on these products and advice on application is freely available from our fully trained staff throughout the country. In addition, specialist technical advice is available from our Technical Services Department. This TDS supersedes all previous TDSs relating to the Products, and users of it must ensure that it is the current issue. Destroy all previous TDS, and if in any doubt, contact the Company, quoting the code number in the top right hand corner on the front of this document.

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