



EVO-STIK Mortar Plasticiser

FOR MORTAR WITHOUT LIME

Date: 05 January 2016

Fact Sheet No.: TDS01817

YOUR SMART ADVANTAGES

- Improves workability and adhesion for mortar without the addition of lime
- Minimises cracking and crazing
- Improves frost resistance during set

USES

EVO-STIK Mortar Plasticiser is a blend of synthetic and modified lignin-based surface active agents without lime. It is designed to improve plasticity and to provide some frost resistance in set mortar. EVO-STIK Mortar Plasticiser improves the workability of mortar without the addition of lime. It helps to reduce grittiness to provide a smooth easy to work mortar with improved adhesion. It also reduces the water content of the mortar.

EVO-STIK is suitable to plasticise mortars for bricklaying and pointing, blockwork, renderings and backing coats. EVO-STIK Mortar Plasticiser conforms to EN934-3.

PRODUCT CHARACTERISTICS

Colour	Dark Brown
Form	Thin liquid
Specific Gravity	1.0 approx.
Composition	Aqueous solution of modified, lignin-based surface active agents
Product Codes	30812582 5 litre 30812581 25 litre
Storage/Shelf Life	Store and transport securely in an upright position. Ensure that the cap is fully closed. Store for up to 12 months from date of manufacture when stored in original, unopened

packaging under cool, dry conditions within the temperature range of +5°C to +25°C and out of direct sunlight. Protect from frost.

TYPICAL PERFORMANCE DATA (Approx.)

Application Temperature	+5°C to +25°C
Dosage	A 5 litre bottle is sufficient to plasticise 55 – 58 mixes based upon 25kg of cement. A 25 litre bottle is sufficient to plasticise 275 – 290 mixes based upon 25kg of cement.
Mix Ratios	See Mix Design table

DIRECTIONS FOR USE

IMPORTANT: Before using EVO-STIK Mortar Plasticiser refer to the relevant Health & Safety Data Sheet, available at www.bostik.co.uk.

MIX DESIGNS

Examples of mix equivalents

Cement : Lime : Sand	Cement : Sand : Mortar Plasticiser
1 : ¼ : 3	1 : 3 : + EVO-STIK Mortar Plasticiser
1 : 1 : 6	1 : 6 : + EVO-STIK Mortar Plasticiser
1 : 2 : 9	1 : 8 : + EVO-STIK Mortar Plasticiser

For bricklaying: Use mix appropriate to brick strength



Bostik Limited, Common Road, Stafford, ST16 3EH, UK. Tel: +44 (0) 1785 272625 www.bostik.co.uk

Bostik, Evo-Stik & Sealocrete are registered trademarks of Bostik Ltd.

For rendering:

Internal or sheltered position	1 : 6 cement : sand + EVO-STIK Mortar Plasticiser
External or exposed position	1 : 3 cement : sand + EVO-STIK Mortar Plasticiser

APPLICATION

EVO-STIK Mortar Plasticiser 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 these cement types and sand 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 British 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.

1. Shake EVO-STIK Mortar Plasticiser well before use.
2. Add direct to mix in the ratio of 85 – 90ml per 25kg of cement depending on the plasticity of mortar required.
3. When using EVO-STIK Mortar Plasticiser 10 – 15% less water is usually required.

CLEANING

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

PRECAUTIONS IN USE

EVO-STIK Mortar Plasticiser 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 these cement types and sand 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 British 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.

For any application not covered please contact Technical Services on +44 (0)1785 272625 or visit www.bostik.co.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 EVO-STIK Mortar Plasticiser, available at www.bostik.co.uk.

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



Bostik Limited, Common Road, Stafford, ST16 3EH, UK. Tel: +44 (0) 1785 272625 www.bostik.co.uk

Bostik, Evo-Stik & Sealocrete are registered trademarks of Bostik Ltd.

**CONSTRUCTION PRODUCT REGULATION
DECLARATION OF PERFORMANCE**

No: TDS01817

Product Description: **EVO-STIK Mortar Plasticiser**

Product Code: **5099414520223 & 5099414520230**

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	0.2% by mass	
Corrosion behaviour	NPD EN934-1 Annex A.1 Approved	

The performance of the product EVO-STIK Mortar Plasticiser 5099414520223 & 5099414520230 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: Alison Jamieson

Function: S.H.E.Q. Manager

Signature: 

Date: June 2013



This disclaimer is issued by Bostik Limited ("the Company") and applies to the use of any products supplied by the Company ("the Products") displayed on this Technical Data Sheet ("TDS"). Please read this disclaimer carefully before using any of the Products. Using this TDS and/or the Product constitutes your acceptance of this disclaimer. Its contents shall prevail over any directions of use and any disclaimer and/or exclusion or limitation of liability of the Company which may appear on the packaging of the Products.

This disclaimer sets out the entire financial liability of the Company (including any liability for the acts or omissions of its employees, agents and sub-contractors) to any user of the Products ("Product User") in respect of any use made or resale by the Product User, of any of the Products in this TDS.

This disclaimer does not affect the Company's liability for death or personal injury arising from the Company's negligence in respect of the Products, nor its liability for fraud, or fraudulent misrepresentation, nor any other liability which cannot be excluded or limited under applicable law.

The Company's total liability however arising and whether caused by tort (including negligence and breach of statutory duty), breach of contract or otherwise, arising in connection with the use made or resale by the Product User of any of the Products in this TDS shall be limited to the price paid for the Product by the Product User.

The Company shall not be liable to the Product User for any pure economic loss, loss of profit, loss of business, depletion of goodwill or otherwise, in each case whether direct, indirect or consequential, or any claims (including in respect of personal injury insofar as not caused by the Company's negligence) for consequential compensation whatsoever (howsoever caused) which arise out of or in connection with the use made or resale by the Product User of any of the Products in this TDS.

The Company shall not be liable to the Product User in relation to any loss for any use which is inappropriate or use which is otherwise than in accordance with the relevant instructions for use of the Products in this TDS or on the Product. Product Users are advised to confirm the suitability of the Products by their own tests.

This TDS covers just one of a large range of products supplied by the Company.

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.

Sales	Tel: 0844 371 1192	Fax: 01785 241818	customer.service@bostik.com
Technical Advice	Tel: 0844 371 1197	Fax: 01785 272867	technical.service@bostik.com
Technical Data & COSHH (MSDS) Data Sheets	Tel: 01785 272625	Fax: 01785 212962	stafford.gatehouse@bostik.com



FM 01696
BS EN ISO 9001:2008

Bostik Limited, Common Road, Stafford, ST16 3EH, UK. Tel: +44 (0) 1785 272625 www.bostik.co.uk
Bostik, Evo-Stik & Sealocrete are registered trademarks of Bostik Ltd.