

Ultimate Pro Liquid Mortar Plasticiser Information Sheet



Areas of Use

- For addition to brick mortars, cement renders and pointing mixes. It eliminates the need for lime in these mixes.

Key Benefits

- This product conforms to BSEN934 Part 3.
- It eliminates the need for additional lime to be added to the mix.
- Increases workability.
- Increases frost resistance so reduces cracking.

Product Data

Coverage: Use at the rate of 125ml to 150ml per 25kg bag of cement.

Packaging: 5l and 25l containers.

Shelf Life: Up to 24 months when stored according to manufacturer's instructions.

Storage: Store in cool dry conditions, protect from frost and high temperatures.

Description

This is a premium quality plasticiser designed to improve the workability of all Portland cement based mortars and to increase their resistance to freeze-thaw cycles.

Understanding Cement Additives:

Cement is a man-made mineral based powder which goes through a chemical change or reaction when mixed with water. First it becomes like an adhesive paste, and eventually hardens, but it has virtually no uses on its own.

The main purpose of cement is to act as a binding agent for bulkier materials such as sand and various types of stone which go to make the mortar mixes, cement rendering and concrete mixes used for a variety of jobs in and around the home.

Cement additives, such as Liquid Mortar Plasticiser, are designed to make working with cement easier and produce far better results.

Understanding Liquid Mortar Plasticiser:

Lime is frequently used as an additive in bricklaying mortar mixes to provide smoother, shrink free, mix with the added advantage that the mortar when dry retains a little flexibility to cope with movement such as thermal expansion and contraction.

However, lime delays the drying time of the mix, weakens it slightly, and is relatively expensive. But SkilledBuild Liquid Mortar Plasticiser has all the advantages of lime and none of the disadvantages. This liquid admixture plasticises a cement/sand mix using less gauging water than usual, giving an easily workable 'fatty' mortar with strong adhesion. It has a reasonably fast initial setting period but leaves ample time for the adjustment of bricks.

When dry the mortar with added plasticiser is more resistant to the effects of frost than a standard cement/ sand/ lime mix.

Directions for use:

Dosage:

- Dosage rates to achieve desired workability will be affected by a number of factors including:
 - Class of mortar.
 - Ambient temperatures.

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Health and Safety

- Flammability – non-flammable.
- Low hazardous product – safe in normal use.
- Avoid eye contact, wear eye and face protection.
- Avoid prolonged contact with skin. Wear protective clothing and gloves.
- Do not ingest.
- Thoroughly wash hands with soap and water after use.
- Keep out of reach of children.
- Some people are more sensitive to chemical products than others. If irritation occurs discontinue use.
- See separate material safety data sheet for more information.

Important Information

SkilledBuild is committed to development and supply of quality products and may substitute or change product branding or specification or technical data without notice. Always check for latest information.

All information provided is based on practical tests & published data and is intended to guide a competent DIY user or contractor in the typical use of products for minor works but is without guarantee. If a failure of the works will be costly to repair or hazardous then design & execution must be undertaken by competent persons. Further advice should be sought from a suitably qualified advisor. Skilled Build may be able to answer simple product enquiries.

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- Sand quality.
- Cement type.

- Therefore, to achieve the best results please carry out trial mixes to determine the optimum dosage rate.
- Generally, however, use at the rate of 125ml to 150ml per 25kg bag of cement.

Application:

- Shake well before use. Dilute only in clean water.
- Use clean, sharp, well graded sand for mortar and render mixes.
- Thorough mixing of the mortar is essential. Mixing should continue until a uniform consistency is achieved. For best results please use a SkilledBuild mixing paddle (Product Code: N03962 / N03961) along with a drill. For hand mixing best results are obtained by adding the mortar plasticiser to the gauging water before mixing.
- In the case of mechanical mixes the mortar plasticiser may be added directly to the cement mixer.
- Liquid mortar plasticiser should be dispensed into the mixer with the gauging water. It should never be added to the dry cement. It should be dispensed separately to waterproofers and other additives.
- Lower dosages may be required when used in conjunction with some waterproofers.
- Add approximately 2.5l of Liquid mortar plasticiser per 200l (45 gallons) of clean water.
- Different tasks may require variation in use of the additive to suit the user.
- Do not use at temperatures below 2°C or when the temperature is expected to drop below 0°C within 24 hours.
- Do not add additional detergent.
- Do not use in excess of the recommended dosage.

Disposal of Containers:

- Do not leave empty containers where residue could be harmful to children, animals or the environment. Replace lids and remove any containers to a central disposal point in accordance with local regulations.