



DESCRIPTION OF PRODUCT

An integral, air-entraining liquid admixture that greatly reduces the level of water permeability and absorption in mortar thus minimising the risk of efflorescence. The controlled air entrainment gives ease of application for external rendering.

PROPERTIES

The waterproofing element of Liquid Waterproofer is completely insoluble in water therefore it becomes a permanent constituent of the mortar and cannot evaporate or deteriorate. The salts of the fatty acids react with the calcium ions released during the hydration of the cement to produce insoluble calcium salts. These salts impart a hydrophobic coating to all air / concrete interfaces including the interior surface of the capillaries and pores. The plasticising action of the product also reduces the number and size of capillaries.

FIELDS OF APPLICATION

- External Rendering
- Pointing Mortars

FEATURES & BENEFITS

- Makes renders and mortars rainproof
- Reduces the possibility of efflorescence
- Improves weathering properties
- Increases the plasticity of the mix thus improving the ease of application
- Reduces shrinkage, drying and cracking
- Replaces lime in the mix
- Improved resistance to the freeze / thaw cycle
- Economical
- Aids colour retention when pigments are used
- Easier and faster to use



Technical information

IBC Limited, Unit 143, Grange Drive, Baldoyle Industrial Estate, Baldoyle, Dublin 13
Tel: +353 1 8321005 Fax: +353 1 8393539 Email: info@ibcltd.net www.ibcltd.net



TYPICAL DATA/ TECHNICAL PROPERTIES	
Form	Liquid
Colour / Appearance	Straw Coloured
Specific Gravity	1.010 – 1.020
pH	11.75 ± 0.05
Freezing Point	0° C

APPLICATION PROCEDURE

Mixing

Always ensure that Liquid Waterproofer is well agitated prior to use.

Liquid Waterproofer should be added to the mix at the following dosages:

- Bricklaying – 300ml per 25kg of cement
- External Rendering – 150ml per 25 kg of cement per coat. Alternatively, it may be added only to the final coat at a rate of 300ml per 25kg of cement.

No admixture is recommended for use in the scud coat.

The Liquid Waterproofer may be added directly into the mixer (see note below) or if preferred, mixed with the gauging water at a rate of 2.5 litres per 200 litres of gauging water per coat.

Please note:

Liquid Waterproofer should never be added directly to the dry mix. If Liquid Waterproofer is to be added directly to the mixer it is recommended that the Liquid Waterproofer is mixed with a small amount of clean potable water prior to the addition of the solution to the mixer and ensure that thorough mixing takes place.

Liquid Waterproofer is compatible with other admixtures but must not be mixed with any other admixture prior to use. For further information please consult with the I.B.C. Technical Department.



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Over-dosage

Over-dosing using Liquid Waterproofer can cause the following effects:

- Considerable increases in workability
- Increased Air Entrainment
- Retardation of initial and final set of the mortar

If over-dosing does occur please consult the I.B.C. Technical Department for recommendations.

COMPATIBILITY

Liquid Waterproofer is compatible with Ordinary Portland Cement.

PACKAGING

Liquid Waterproofer is supplied in 25 litre & 210 litre drums as appropriate.

STORAGE

Store away from direct sunlight in ambient temperatures and in dry conditions. Protect from frost and always stir well prior to use. If Liquid Waterproofer freezes it can be reconstituted by agitation.

SHELF LIFE

Up to one year when stored in unopened manufacturers container.

WATCHPOINTS

- Only recommended for use with Normal Portland Cement.
- Only to be used with clean potable water.
- Never add the Liquid Waterproofer directly to a dry mix.
- Do not premix with other admixtures.
- Do not overmix.
- Do not use in structural concrete.
- If you wish to use Liquid Waterproofer for internal rendering please contact the I.B.C. Technical Department for recommendations and guideline



Technical information

IBC Limited, Unit 143, Grange Drive, Baldoye Industrial Estate, Baldoye, Dublin 13
Tel: +353 1 8321005 Fax: +353 1 8393539 Email: info@ibcltd.net www.ibcltd.net

IBC Liquid Waterproofer



Disclaimer:

The general information provided in the present technical description, application guidelines and other recommendations, is based on research and experience. However the client is obliged to determine for themselves which products are suitable for use. Accordingly, no liability will be accepted by IBC Ltd.

For further information contact the IBC Technical Department.

Protect the environment:

Please dispose of empty bags or surplus product in accordance with local authority regulations. The product should not be disposed of with household waste. Do not allow material to enter drains or sewage systems.



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