

INTEGRAPROOF

A liquid admixture produces specifically for crystalline waterproofing that is resistant to negative and positive water pressure, can be transferred to the capillary spaces of cement-based surfaces and provides waterproofing by gaining volume of the crystals.

ADVANTAGES

Integraproof has both a chemical and physical reaction to the mix: firstly, it creates insoluble crystals in the hardened concrete which make it permanently waterproof. Secondly, by breaking down the surface tension of the gauging water, it enables a water reduction to be made or workability to be increased.

Integraproof Integral Waterproofing in no way affects the setting times of concrete and it will not affect steel re-inforcement.

APPLICATION FEATURES

At the mixing stage it improves the wetting action of the gauging water, making the mix more plastic or allowing a reduction to be made in water content.

It increases the compressive strength of concrete when use is made of water reducing properties.

Concrete of increased workability and the same strength can be produced without altering the mix design.

It improves the bulk density of concrete.

When used for cement rendering, it improves bond strength and when hardened produces an impervious, non-absorbent surface.

WRC approved to be used for potable water tanks and watering retaining structures.

SCOPE OF APPLICATION

Integraproof should be used in all structural concrete that is constantly or intermittently in contact with water such as sea walls, tunnels, basements, underground water tanks, structural and pre-cast concrete, exposed super structures.

STORAGE

Packaging	5 lit, 30lit cane and 210lit drum
Colour	Brown
Shelf Life	Excellent shelf life of 2 years, protect from frost.

CONSUMPTION

250 - 400 ml / 50 kg bag of OPC. Field trials should be conducted to determine the effect of Integraproof on workability of concrete.

WARNINGS AND RECOMMENDATIONS

Integraproof should be added with mixing water preferable via a dispenser. It should never be added to the dry cement. No extension to mixing times are required.

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Advantage of Integraproof strong plasticising action must be taken to reduce water contents to a minimum. A reduction in W/C ratio in the region of 10 to 15% can generally be achieved.

All technical information stated in this product data sheet is based on laboratory tests.
Actual values may vary due to circumstances beyond our control,

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TECHNICAL SPECIFICATIONS AND PERFORMANCE VALUES

This technical data is determined for each lot or batch before its release by our quality control laboratory. Technical data is as follows:

Appearance :	Brown liquid
Air entrainment :	Maximum 1-2%
Chloride Content :	< 0.2%
Sp: Gravity at 25 °c :	(approx. 1.1-1.2)
Surface Absorption (BS 1881) :	reduce 70± 10% of water.
pH :	> 6

The specified periods are valid at 20°C surface and ambient temperature, the time is prolonged at low temperature, the time is shortened at high temperature. Green streak is not responsible for application errors that may occur if the product is used outside its purpose or if the application conditions and recommendations specified above are not complied with.

SAFETY PRECAUTIONS

During use and storage, appropriate work clothes, glasses, gloves and masks should be used for worker health and safety. Eye, mouth and skin contact should be avoided. The contacted area should be washed with plenty of water. In more dangerous situations or if the product is swallowed, a specialist doctor should be consulted immediately. Food and drink should not be allowed into application areas. It should be kept out of reach of children. For detailed information, the Safety Data Sheet (SDS) should be consulted.

LEGAL WARNING

If this product is used for any purpose other than its intended use, or if the above instructions and conditions are not followed, any problems or damages that occur will be the responsibility of the user. Green streak construction chemicals will not be held responsible in such cases.

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