

SHIELDPROOF INT100

Integral Waterproofing Admixture for Decorative and Structural Concrete



Description

Shieldproof Int100 is a premium, liquid integral waterproofing admixture, designed for unparalleled water resistance in both decorative and structural concrete applications, lowers water permeability and creates a robust waterproofing barrier that acts as a reliable and efficient solution for creating water-resistant concrete structures and reduces the water permeability of concrete and cement mixes.

Uses

- Production of concrete with reduced water permeability and better water resistance.
- Corrosive environments.
- Ideal for patios, pathways, decorative stone, concrete, masonry, brickwork, driveways, and forecourts.

Characteristics / Advantages

- Increases the durability of concrete and extends the service life of structural elements
- Superior performance.
- Cost effective, reduces maintenance and repair costs.
- Reduces permeability of concrete and cement mixes to water and moisture.
- Inhibits the growth of mold, algae, and moss in concrete structures.
- Compatible with all types of Portland cement.
- Environmentally friendly.
- Invulnerable to damage with long-lasting protection properties against water and moisture.

Typical Properties

Appearance / Color	White liquid
Specific Gravity @ 23°C	1.00 ± 0.02
pH	6 – 8
Chloride Content (EN 934-2)	Nil

Application Instructions

Dosage and Application

0.5 – 2.0% by weight of cement and supplementary cementitious materials. Add **Shieldproof Int100** to the concrete mix along with the mixing water. It is always recommended to carry out trial mixes to achieve optimal waterproofing performance.

Cleaning

All equipment should be cleaned immediately with clean water after use.

Shelf Life and Storage

Shieldproof Int100 has a shelf life of 6 months when stored in its original unopened containers in cool and dry conditions, protected from direct sunlight, heat, and moisture. Shelf life may be reduced if the recommended storage conditions are not followed.

Packaging

Shieldproof Int100 is supplied in 1000-litre tanks. Bulk delivery on request.

Safety Instructions

Refer to the most recent Material Safety Data Sheet for information and advice on the safe handling, storage, and disposal of the product.



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Limitations

- Do not apply the product if the ambient temperature is less than 5°C.
- Hot weather practices should be adopted during application and curing if the temperature is above 35°C.
- Extra dosage might cause significant retardation and higher workability.

Technical Support

Refer to technical information, method statement, or contact technical support team for any inquiry.