



SEALPROOF IW-118

INTEGRAL CAPILLARY WATERPROOFING

Product Description

SEALPROOF INTEGRAL WATERPROOFING (IW-118) is a specially blended, self-healing liquid crystalline capillary waterproofing admixture designed for use in above and below grade applications.

Sealproof IW-118 reacts to improve the water tightness of the cured concrete through hydrophobic effects, reduced capillary porosity and reproduced specifically for the complete and permanent waterproofing of mass and reinforced concrete structures, ready-mixed and precast concrete and reduced capillary porosity.

Features

- Increases the plasticity of the mix
- Improves workability
- Facilitates compaction
- Allows a reduction of the gauging water without loss of workability
- Reduces the possibility of shrinkage and consequential cracking and crazing
- Reduce the permeability
- Reduce the chance of cracking
- Improve Self-Sealing ability
- Does not contain calcium chloride and therefore cannot cause corrosion of stressing wires in pre-stressed concrete and does not, in any way, affect the setting time of the Portland cement

SEALPROOF IW-118 is recommended for all concrete structures which require reduced water absorption and reduced permeability. It increases the watertightness of concrete, thus enhancing durability.

Processing Data

Mix Ratio (by volume)	400 ml of Integral: 40 kg. of Portland Cement
Shelf Life	6 months at room temperature

Technical / Performance Data

Color	Clear
Water Penetration	40% Reduction Modified DIN 1048
Capillary Absorption	43% Reduction ASTM C 1585
Compressive Strength	7% Increase ASTM C 39/C 39M
Electrical Conductance	Comforms ASTM C 1202
Permeability	3.70 x 10 ⁻¹³ m/s DIN 1048

Application areas

- Below-grade foundations, parking garages, elevator pits and basements structures
- Bridges, Water reservoirs and tanks for potablewater
- Swimming pools and Culverts
- Tunnels, subway systems,
- Sewage, Water treatment plants and other
- Liquid retaining structures
- Water containment
- Aquatic facilities Marine Structures
- Shotcretes

Procedure & Guidelines

SEALPROOF IW-118 shall be measured and dosed using suitable dispenser. Mix fresh Portland cement and the necessary aggregates in the usual way. *Sealproof Integral Waterproofing (IW-118)* can then be put straight into the mixer or added to the gauging water at the rate of 400 ml. per 40 kg. of cement. The water/cement ratio should be kept as low as possible consistent with workability, and we suggest that about 10% less than the usual quantity of gauging water is used. All the aggregates should pass the appropriate British standard.

Different dosages from those suggested must be previously tested through concrete trials, in addition to consulting Sealbond Technical Personnel.



SEALPROOF IW-118

Health & Safety

Product is irritant for the eyes. When applying Sealproof IW-118, we recommend the use of protective gloves and goggles and to take the usual precautions for handling chemical products. Please wear rubber or plastic gloves to avoid contact with skin.

If the product comes into contact with eyes or skin, wash immediately with plenty of clean water and seek medical attention. It is also hazardous for aquatic life.

Do not dispose of these products in the environment. For further and complete information about the safe use of our product please refer to the latest Material Safety Data Sheet (MSDS).

Storage / Packaging

SEALPROOF IW-118

is available in 16 Liters and 20 Liters pail

Different dosages from those suggested must be previously tested through concrete trials, in addition to consulting Sealbond Technical Personnel.

This product must be stored dry, protected from sun and rain. No waterproofing works should be performed if weather is unsuitable. These includes heavy rain and moisture.

Additional Information - Disclaimer

The information and in particular, recommendations relating to the application and end-use of Sealbond products, are given in good faith based on Sealbond's best knowledge and specialty on construction chemical formulations. Products are properly stored and handled in accordance with Sealbond's endorsements. Hence, subject to the care and method of application, deviations (from published values) in performance may occur. In practice, to different materials used, as well as varying working conditions and environments beyond our control Sealbond Chemical Industries Inc. strictly recommend carrying out intensive trials to test the suitability of the product with regards to the required processes and applications. Therefore, any liability for such recommendations or any oral/verbal advice is expressly excluded unless we have acted wilfully or by gross negligence. Sealbond Chemicals Industries Inc. is not liable for installation or faulty installation. It is always the responsibility of the installer/applicator/purchaser to guarantee and certify the installation of materials.

All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the Product Data Sheet for the product awareness, copies of which will be supplied on request and is free of charge.



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