



Quality beyond Innovation

Philippine SkyBird Industrial Corp.

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HYDROPROOF IW

Integral Waterproofing

DESCRIPTION

HydroProof IW is an integral waterproofing admixture which improves impermeability of concrete and concrete corrosion using unique nano technology to chemically modify the cement matrix by reacting with the cement paste to reduce pore and capillary size.

USES

HydroProof IW is used for all types of waterproofing and concrete protection including basement, water tanks, roofs, reservoirs, dams, waste water plants, swimming pools, water treatment plants, retaining walls, etc.

ADVANTAGES

- Seals micro cracks and hairline cracks
- Concrete waterproofed from within
- Improved durability
- Protection against chloride and sulphate ingress
- Withstand hydrostatic pressure
- Improves chemical and carbonation resistance
- Fast track construction and tedious sheet membranes may not be required
- No installation cost, seams or joints
- Integral waterproof
- Non-toxic
- Easily dispensable liquid

TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE
Component	—	Single
Form	—	Liquid
Colour	—	Amber
Specific gravity	ASTM C494	1.2 +/- 0.02
Air Entrainment	ASTM C231	Up to 1% over control mix
Chloride content	BS EN 480-10	Nil to BS EN 934-2
pH	ASTM C494	8-12
Water absorption	BS 1881-122	60% to 80% improvement over control

COMPATIBILITY

HydroProof IW can be used with all types of cement and cementitious materials like fly ash, GGBS, micro silica, etc. It is compatible with most of the admixtures



DOSAGE

Recommended dosage is 1.0-2.5% by weight of cementitious material. Higher dosage can be used after verification of performance by conducting lab and site trials. The performance of **HydroProof IW** is best assessed after preliminary test using the actual concrete under consideration to determine the optimum dosage and effect on properties such as strength, setting time, etc.

EFFECT OF OVERDOSING

Overdosing may result in increased workability.

PACK SIZE

205 Ltr drum and 1,000 Ltr bulk

DISPENSING

HydroProof IW should be dispensed into the concrete mixer together with the mixing water

GENERAL INFORMATION

Shelf Life 12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature/humidity may reduce shelf life.

CLEANING

Clean all equipment and tools with water immediately after use.

HEALTH and SAFETY

Gloves, goggles & suitable mask must be worn.

PRECAUTIONS

Contact with skin, eyes, etc. must be avoided. If swallowed seek medical attention immediately.

DISPOSAL

Do not reuse containers. To be disposed off as per local rules and regulations.

TECHNICAL SERVICE

Philippine SkyBird Industrial Corp. Services are available on request for on-site support to assist in the correct use of its products.