

INSTALASTIC

LIQUID-APPLIED, SEAMLESS, WATERPROOF COATING

INTRODUCTION

INSTALASTIC is designed as an elastomeric waterproofing coating for water retaining structures, submerged tunnels, diaphragm walls, bridge deck waterproofing and a wide variety of extreme service class concrete structures to provide long service life, anti-carbonation, waterproof construction.

QUALITY ASSURANCE

INSTALASTIC is a Quality Assured product produced to British Standard BS EN ISO 9001:2000.

USES

- External and internal waterproofing of old and new structures.
- Waterproof coating of bridge decks, tanks, reservoirs, bund walls, basements, bathrooms and floors.
- Coating of floors to form a damp-proof membrane.
- Over-bridging hairline cracks.
- Anti-corrosion, anti-carbonation coating

COMPONENTS

INSTALASTIC is a two-part system, pre-blended powder and liquid. **INSTALASTIC** powder is a grey fine blend of cement (OPC) quartz sands and inert fillers, workability aids and stabilising components. **INSTALASTIC** liquid is a white viscous rubber-based, polymeric latex.

BENEFITS

- Provides a flexible low permeability coating.
- Excellent resistance to ingress of water.
- Excellent adhesion to concrete, natural and artificial stone, and a variety of metals including steel, galvanised sheet, copper and cast iron.
- High abrasion resistance
- Slip resistant
- Resistant to freeze thaw cycles and de-icing salts.
- Crack-bridging, flexible membrane
- Waterproof linings for concrete



Typical Technical Data	Passive Absorption	Hydrostatic Pressure
Material	Water Sorptivity Rate of Water Transmission (S) g/m ² /min ⁻¹	g/m ² /hr ⁻¹ (K)
Concrete – untreated	35.61	45.1
INSTALASTIC treated	0.09	1.29
Typical Performance on a concrete with cement content of 325kg/m ³ and w/c ratio of 0.48		

Independent Test Data Supplied By:
Concrete Durability Group, Department of Civil Engineering,
Imperial College of Science, Technology and Medicine, LONDON

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YIELD

A 31kg unit (25kg powder and 6 litres liquid) will cover approximately 10m² allowing for 2 coats at 1mm thickness. Always test for actual yield prior to ordering quantity required.

INSTRUCTIONS FOR USE

MIXING INSTRUCTIONS

Place approximately 75% of the liquid component in a suitable mixing container, slowly add all the dry powder, mixing with a stirrer using either a pneumatic or electric power tool (1kw). Add further liquid to achieve the required consistency. For example, a floor coating would require the consistency of thick but runny cream, a coving application would require a thicker trowelable consistency.

APPLICATION

Good surface preparation is essential. All substrates should be mechanically sound and free of surface contaminants. Rough areas and honeycombing should be levelled prior to the application of **INSTALASTIC**. The use of **INSTACEM concrete repair** is recommended. Prior to application, the area must be vacuumed clean (preferably wet vac). All surface moisture *must* be removed and when the concrete is dry, apply a coat of **INSTACEM PRIMER LATEX**. Once primer is tacky the first coat of **INSTALASTIC** should be applied. Apply **INSTALASTIC** by brush, trowel or rubber squeegee.

Recommended installation thickness is 1mm per coat. 2 coats are necessary, each coat not being greater than 1mm thick. It is recommended to allow 24 hours between application of each coat.

CURING

It is essential that good concreting practice is performed and maintained at every stage of the application process. Ensure that **INSTALASTIC** is cured properly after application. **INSTALASTIC** is resistant to mechanical stress after 3 days, full hardening is reached after 7 days. The coating will then resist permanent water pressure.

HEALTH AND SAFETY

INSTALASTIC is alkaline and should not come into contact with skin or eyes. Avoid inhalation of dust during mixing. Gloves, goggles and dust masks should be worn. Splashes to eyes should be washed immediately and medical advice sought.

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PACKAGING AND SHELF LIFE

INSTALASTIC is packaged in 31kg units: 6litres liquid component and 25kg powder component. For large projects liquid is supplied in 200litre drums. Always add 10 litres of mix liquid 25kg bag of **INSTALASTIC** powder. Stored in a frost free, cool and dry environment. **INSTALASTIC** has a shelf life of 12 months. Once frozen, the liquid component becomes unusable.

TOOL CLEANING

Tools should be cleaned with water before **INSTALASTIC** hardens as the cured material is very hard to remove by machine.

Important Note

All specifications published by the company are as accurate as possible and serve as a guide. Coverage figures are approximate, Whilst the products is of guaranteed quality we cannot accept responsibility for work carried out with our products. Information and recommendations contained in our literature, or given by our employees or distributors and the use of the same are based upon experience and are given in good faith. We accept no liability for any loss or damage (including direct contingent or consequent loss of profit) arising in respect thereof.