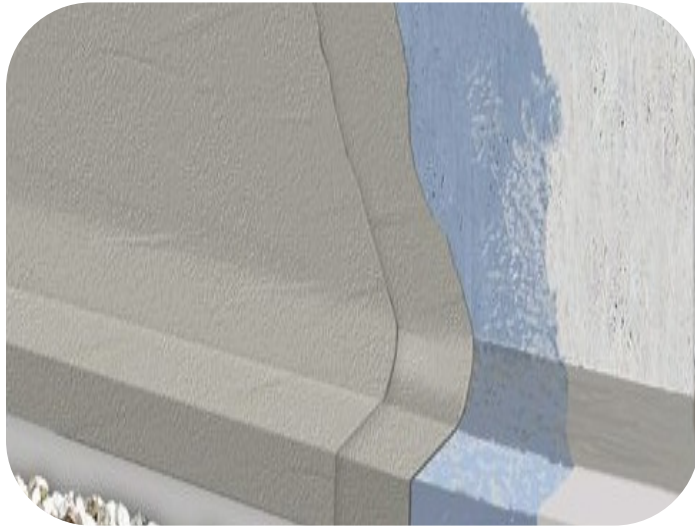


PROUDI TRADING FZE

 Sharjah, Uae
  +971 67150164
 www.proudi.ae
  info@proudi.ae



USES

ProudiLastic Smart 414 can be applied to new or old concrete structures that are structurally sound:

Water tanks	Basements
Wet Areas	Tunnels
Reservoirs	Foundations
Swimming Pools	Retaining walls
Dams	Construction joints
Canals	Sea defence walls
Water treatment areas	Bridge deck
Harbours	Jetties, Concrete pipe.
Plywood	Cement Boards
Gypsum Boards	Silicate Boards

ADVANTAGES

- Provides Low Permeability Surface: Ensures minimal water penetration, safeguarding the underlying structure.
- Excellent Resistance to Ingress of Water: Effectively prevents water from seeping through, enhancing durability.
- Resistant to Abrasion and UV Rays: Maintains performance and appearance under physical wear and sunlight exposure.
- Slip Resistant & Waterproof: Offers a non-slip surface and robust waterproofing for concrete applications.
- Excellent Adhesion to Concrete and Masonry: Forms a strong bond, ensuring reliable performance on various substrates.
- Resistance to Chloride Ion Diffusion and Carbon Dioxide: Protects against degradation from environmental factors.
- Eco-Friendly System: Designed with environmental impact in mind, promoting sustainability.
- Low VOC: Reduces the release of volatile organic compounds for healthier indoor air quality.
- LEED Credits Compatible: Contributes to sustainable building practices and supports LEED certification.
- Excellent Crack Bridging Property: Accommodates and bridges cracks, maintaining waterproofing integrity.
- Provides Early Accessibility on Applied Areas: Allows for quicker use of coated surfaces, minimizing downtime.

PROUDILASTIC SMART 414

Multi component high flexible waterproofing system

Description

ProudiLastic Smart 414 is a high-performance, multi-component waterproofing system designed for concrete and masonry substrates. This advanced, highly flexible cementitious coating provides permanent, rapid-drying protection, making it suitable for a wide range of applications. With its exceptional flexibility, Proudilastic Smart 414 effectively accommodates structural movements and prevents cracking. It is particularly formulated for use in permanent wet areas, submerged conditions, toilets, bathrooms, and balconies, ensuring reliable waterproofing and protection in these demanding environments. Its rapid-drying properties facilitate quick application and early accessibility, while its long-lasting performance makes it an ideal solution for both new and existing structures.



CHARACTERISTICS

Colour	Grey/White
Toxicity	Non Toxic
Mixed density	1.67 kg/l
Pot Life	1 Hour @ 30 °C
Bond Adhesion Strength	>1.0 N/mm ²
Recoat	6-8 hours @ 30 °C
Crack bridging ability	± 2.0 mm
Solid Content (Mixed Density)	68.50% +/-0.05
Elongation (2 mm)	>120 %
VOC	6.0 g/L
Water Absorption	<0.1%
Application Temperature	10 ° - 45 °C
UV Resistance	No effect/change in color
Water penetration 7 bar	Nil (DIN 1048)

Packing: 30 kg Kit:, Powder: 20 kg, Liquid: 10 L

Coverage: Coverage Rate: Approximately 1.5 m² per kg per coat at 1.0 mm Wet Film Thickness (WFT)

STANDARDS

ProudiLastic **Smart 414** complies with the following standards:

DIN 1048, Part 5: 1991

EN 14891

BS 8102

ASTM C836

EN 1062-7

LEED Credits: ProudiLastic Smart 414 contributes towards LEED credit limits, supporting sustainable building practices.

MINIMUM COATING THICKNESS

Swimming Pools

Wet Area Floors

Water Tanks

CURING

Proper curing is essential for the performance of ProudiLastic Smart 414. Ensure good concreting practices are followed throughout the application process. Curing must be maintained for a minimum of 24 hours before flooding the area. Curing times may vary depending on climatic conditions.

TECHNICAL SUPPORT

Proudi Trading fze offers comprehensive technical support for specific applications of ProudiLastic Smart 414, ensuring expert guidance throughout the process.

TECHNICAL SPECIFICATION

ProudiLastic Smart 414 is a two-part system that includes:

Pre-blended Powder Mix (Part A)

New Generation Acrylic Emulsion (Part B) designed to modify the cement composition.

APPLICATION INSTRUCTIONS

Mixing:

Place the Part B (Liquid) component in a suitable mixing container.

Gradually add Part A (Powder) to the liquid.

Mix thoroughly using a slow-speed stirrer (1 kW power tool) until well combined.

Reinforcing Application:

Apply the first coat of ProudiLastic Smart 414. Install virgin polypropylene mesh over joints, cracks, and for overall reinforcement.

Ensure the mesh is tightly applied and overcoat the entire area, including corners, joints, and edges.

For further assistance or detailed application guidance, please contact Proudi Trading fze.



LIMITATIONS:

Shelf Life: ProudILastic Smart 414 has a shelf life of 12 months when stored in a cool, dry environment.

Wet Areas: Ensure the surface is cleaned and free of loose particles before application. Wet the surface prior to applying ProudILastic Smart 414. Treat surrounding pipes and fittings with Eurobond EP system. Carefully apply fibre mesh reinforcement to corners and edges.

APPLICATION INSTRUCTIONS:

- Apply two coats of ProudILastic Smart 414 at a rate of 1 kg/m² for the first coat using a masonry brush or roller.
- The second coat should be applied after the first coat has dried.
- Do not expose to water or flooding until the coating is fully cured.
- The total build-up thickness should be a minimum of 1 mm Dry Film Thickness (DFT). Two coats are recommended, with thickness requirements subject to project specifications.

HEALTH & SAFETY:

- ProudILastic Smart 414 is alkaline and should not come into contact with skin or eyes.
- Avoid inhaling dust during mixing; use gloves, goggles, and dust masks.
- In case of eye contact, wash immediately with water and seek medical advice.

Disclaimer: The information provided is based on extensive experience and is given in good faith. However, as conditions on site and execution of work are beyond our control, we accept no liability for any loss or damage arising. Our company policy includes continuous research and development, so we reserve the right to update information without prior notice. We guarantee the consistent quality of our products.

Cementitious Additives

Bonding Agents & Adhesives

Concrete Flooring and Topping

Concrete Structural Repair Products

Marble and Stone Protection Systems

Cementitious & Epoxy Grouts

Waterproofing Systems

Specialized Construction Products

Fireproof Mortar & Sealants

Cement Plaster Systems

Injection Systems



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BUILDING MATERIAL TRADING