Preprufe® Waterproofing Membrane with Advanced Bond Technology™: the right choice?

**Advantages**

- Membrane adheres directly to poured concrete
- Forms an impermeable seal against water penetration and is fast and easy to install
- Attaches mechanically to concrete via a friction interface which resists water migration and capillary action

**Benefits**

- Membrane is composed of durable HDPE
- Resists dirt and contaminants, is easy to touch-up after minor installations, allows up to 6-weeks of UV exposure, and is immediately trafficable
- Compares performance due to abrasion, dirt, damage and UV exposure after only 2-3 weeks on site

**Other Systems**

- Double Adhesive ZipLap™ from watertight tapes easily in the most difficult conditions
- Simplified installation without primers or special equipment, power, heat or air products

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**Preprufe® Plus Waterproofing Membrane with Advanced Bond Technology™**

- Only two operators are required for installation
- Patent pending surface is smooth, non-absorbent, resists dirt and contamination and can sustain up to 6 weeks of UV exposure on site

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**GCP Technical Experts Are Available to Assist Project Teams from the Planning Stage through Project Completion**

GCP’s global team of technical experts are committed to ensuring your project runs smoothly from start to finish. GCP brings global relationships, manufacturing infrastructure, knowledge of best practices and extensive experience with the complexities of construction to large and small projects.

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**For enquiries, information and case studies please visit preprufe.com**

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Preprufe® Waterproofing Membrane

60+ Million Square Metres Applied Globally

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**Proven Worldwide in All Climates and Site Conditions**

- Hotels
- Museums
- Hospitals
- Shopping Malls
- Below Ground Transportation Systems
- Airports
- Stadiums
- Nuclear and Industrial Plants
- Government Buildings
- Residential Buildings

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**Ultimate Waterproofing Protection For Below Ground Structures**

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**Preprufe® Plus waterproofing system is proven to prevent water migration**

**Only two operators are required for installation**

**Patented surface is smooth, non-absorbent, resists dirt and contamination and can sustain up to 6 weeks of UV exposure on site**

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**GCP developed the first fully-bonded, pre-applied below ground waterproofing technology**

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**Preprufe® Plus** waterproofing membrane has been supplied to more than 75 countries

**Ziplap™ technology allows fast installation**

**No equipment or primers are required for installation**

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Preprufe® Plus Waterproofing System with Advanced Bond Technology™

GCP Applied Technologies: Preprufe® Plus waterproofing system with Advanced Bond Technology™ engineered to protect structures below ground from water ingress, corrosion, soil, gas and moisture. Composed of durable and flexible HDPE geomembrane, it aggressively adheres directly to poured concrete and conforms to complex details to create an impervious protective seal. The patented non-absorbent membrane surface coating resists dirt and contaminants and withstands up to eight weeks of UV exposure onsite. The membrane is immediately trafficable without protection layers allowing contractors to install rebar the same day.

The Preprufe® Plus waterproofing system is fast and easy to install by only two operators and does not require primer, heat, power or special equipment. The system is a proven solution for the most challenging site conditions as well as straightforward projects in diverse worldwide climates.

Unique Benefits
- Water migration and seepage is eliminated with direct and continuous bonding to the structure, unlike systems that rely on a fleece or mesh interface between the membrane and structure.
- Complex details are simplified and tightly sealed with the durable and conforming waterproofing membrane, Preprufe® Tape and Bituthene® LM.
- High resistance to chemicals, gas and moisture is achieved by the HDPE geomembrane and the integral continuous waterproofing seal.

Fast and Easy Application
- 2 trained operatives typically apply 600m² a day using lightweight 36m² rolls.
- No primer is needed.
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- Wet surfaces do not delay application.
- No back taping or priming.
- Single layer of reinforced pressure sensitive adhesive, highly resistant to contaminants and dirt, and is easy to clean if necessary.
- Adhesive remains flexible for crack bridging as the concrete hardens.
- Liners protect the interface from dirt and water until the moment the lap is sealed.
- Patented non-absorbent surface coating.
- Smooth, non-clogging coating resists dirt and contaminants.
- Withstands up to 6 weeks of UV exposure onsite.

Performance: Preprufe® Plus Waterproofing System Adhesively Seals to Poured Concrete to Prevent Water Tracking

- Fresh Concrete
  - As the concrete is poured, it passes through the surface layer and bonds to the pressure sensitive adhesive.
- As the Concrete Cures
  - As the concrete hardens, it forms an integral and continuous seal between the adhesive layers of the membrane and the structure.
- Impenetrable Barrier
  - Even in the event of a break in the membrane an impervious barrier isolates the structure from water, corrosive soil, gas and moisture.

A Complete Waterproofing Membrane System

GCP’s below ground waterproofing system offers an extensive range of compatible waterproofing products providing continuity and performance reliability.

Bituthene® 8000HC, a solar reflective self-adhesive waterproofing membrane, is composed of an aggressive rubberized asphalt adhesive and a full width grey HDPE film, designed for below ground open excavation walls to temperatures up to +55°C and especially resistant to aggressive Middle-East ground conditions, radon & moisture gases. Two layers (adhesive and film) are pre-molded ensuring the quality of the overlap. Bituthene® 8000HC has been certified by BBA for watertightness, durability and gas resistance since 1997.

Avis Technique délivré par le CSTB (DTA téléchargeable sur le site www.CSTB.fr)