TECHNICAL DATA SHEET

# HYDROBAND 1000

## Waterproof Reinforcement Tape



PREMCRETE

# HYDROBAND 1000



## DESCRIPTION

HYDROBAND 1000 is a composite tape which is embedded into the PREMCRETE range of resinous coatings to provide a highly flexible water-resistant seal over cracks, construction joints and expansion joints in waterproofing applications. It is an elastomeric yet highly tear resistant breathable membrane which is designed to be embedded into the freshly applied waterproof coating to provide extra reinforcement.

## USES

HYDROBAND 1000 is used as a reinforcement tape for sealing cracks and joints in structures where resistance to water is required. This includes applications such as basements, culverts, tunnels, retaining walls, swimming pools, etc. It is particularly suited for application in conjunction with epoxy and methacrylate resin coatings.

## ADVANTAGES

- Resistant to water under 10 bar hydrostatic pressure.
- Provides robust but flexible seal for the lifetime of the structure to which it has been applied.
- Highly elastomeric, allowing for in excess of 400% elongation.
- Suitable for use with all PREMCRETE resinous coatings.

## TECHNICAL & PERFORMANCE PROPERTIES

| Property | Test Method | Value |
|---|---|---|
| Form | N/A | Grey flexible |
| Thickness | N/A | 0.25mm |
| Permeability | N/A | Resists 10 bar hydrostatic pressure |
| Elongation | N/A | 400% |

# HYDROBAND 1000

## INSTALLATION PROCEDURE

### Surface Preparation

The joints to which the HYDROBAND 1000 is to be applied should be free from all live water ingress. The concrete should be sound and free from all deleterious material. Surface laitance should be removed by mechanical means such as grinding or grit blasting. If the membrane is to be applied to a metal surface, then the steel should be correctly prepared to achieve a bright metal. Concrete surfaces should be prepared by diamond grinding, grit-blasted or cleaned using a high-pressure water jet. The substrate should clean and dry before application commences.

### Substrate Priming

Horizontal substrates should be primed using the appropriate primer, for the coating that is to be applied, prior to the application of the PREMCRETE resinous coating. Refer to separate technical datasheet.

### Application

A suitable debonding tape should be applied centrally over the crack or joint to prevent the HYDROBAND 1000 bonding directly over the line of the crack. The PREMCRETE coating should be applied either side of the debonding tape typically as a 2mm coating extending to at least 50mm beyond the edge of the HYDROBAND 1000. The HYDROBAND 1000 should be carefully embedded into the freshly applied coating, trowelling firmly into the wet coating to ensure there are no air bubbles or creases occurring. Once the coating has become stable, then a second 1mm thick coating should be applied to fully encapsulate the HYDROBAND 1000. When sealing movement joints, then extra slack should be allowed for, across the width of the movement joint. This will ensure excessive movement does not compromise the integrity of the seal. Where the HYDROBAND 1000 is to be used to withstand negative hydrostatic pressure, the membrane should not be left unsupported, but a load should be applied, such as a 75mm thick screed.

### Curing

The curing guidance for the applied PREMCRETE coating should be adhered to.

## PACKAGING & COVERAGE

**Pack Size**

120mm by 50m roll

**Coverage**

1 x 25ltr pack will cover approximately 125 $m^2$ with a single coat application.



## STORAGE & SHELF LIFE

HYDROBAND 1000 should be stored in dry conditions at temperatures above 5°C.

## HEALTH & SAFETY

See separate Material Safety Data Sheet.

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