



HYDROBAND 2000

WATERPROOF REINFORCEMENT TAPE

DESCRIPTION

HYDROBAND 2000 is a composite tape which is embedded into the PREMCRETE range of cementitious 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 2000 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.

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 500% elongation.
- Suitable for use with all PREMCRETE cementitious coatings.
- Design life at least equal to that of the structure where it is incorporated.

Test	Standard	Unit	Result
Chemical Base of the Tape	Flexible TPE Based Polymer special coated non-woven		
Surface Structure	Textured Surface		
Tensile Strength Lateral	EN-ISO 527-3	Mpa	30
Tensile Strength Longitudinal	EN-ISO 527-3	Mpa	76
Maximum Tensile Elongation Lateral	EN-ISO 527-3	%	139
Maximum Tensile Elongation Longitudinal	EN-ISO 527-3	%	22
Tear Resistance Lateral	EN-ISO 527-2	N/mm ²	48
Tear Resistance Longitudinal	EN-ISO 527-3	N/mm ²	52
Shore	ISO 868	Shore A	70
Peel Strength	DIN 16860	N/10mm	>20
Colour	RAL 7040	Grey	
Water Pressure Strength	EN 1928	Bar	>1.5
Service Temperature	Sia V280/3+4	-	-30°C +90°C
Density		gr/mt	38

COMPLIANCE

- WRAS approved.
- Suitable for contact with potable water.

PROCEDURE

Surface Preparation: The joints to which the HYDROBAND 2000 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 diamond grinded, grit-blasted or cleaned using a high-pressure water jet. The substrate should be free from all standing water before application commences.

Substrate Priming: Horizontal substrates should be primed using EPOPRIME AC prior to the application of the PREMCRETE cementitious coating. Refer to separate technical datasheet.

Application: A suitable debonding tape should be applied centrally over the crack or joint to prevent the HYDROBAND 2000 bonding directly over the line of the crack. The PREMCRETE cementitious 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 2000. The HYDROBAND 2000 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 cementitious coating has become stable, then a second 1mm thick coating should be applied to fully encapsulate the HYDROBAND 2000. 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 2000 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: Once the PREMCRETE cementitious coating has been applied curing should immediately take place by applying CUREAID AC.

PACKAGING & COVERAGE

Pack Sizes: 120mm x 10m roll
120mm x 50m roll

STORAGE & SHELF LIFE

HYDROBAND 2000 should be stored in dry conditions at temperatures above 5°C.

HEALTH & SAFETY

See separate material safety datasheet.



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