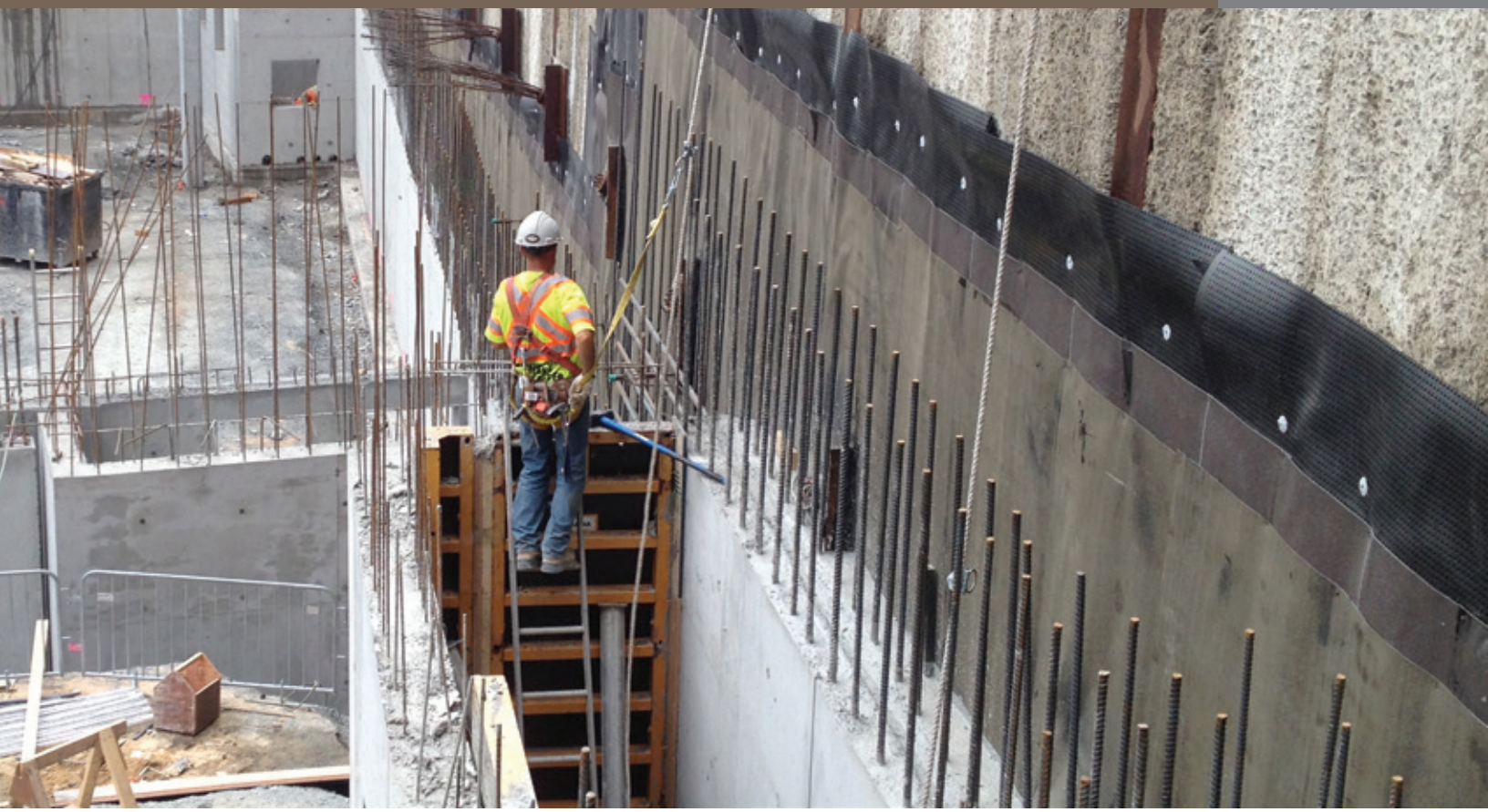
WATERPROOFING

COLPHENE®
BSW
FOUNDATIONS

PRE-APPLIED MEMBRANE SYSTEM DESIGNED
FOR BLIND SIDE WATERPROOFING APPLICATIONS

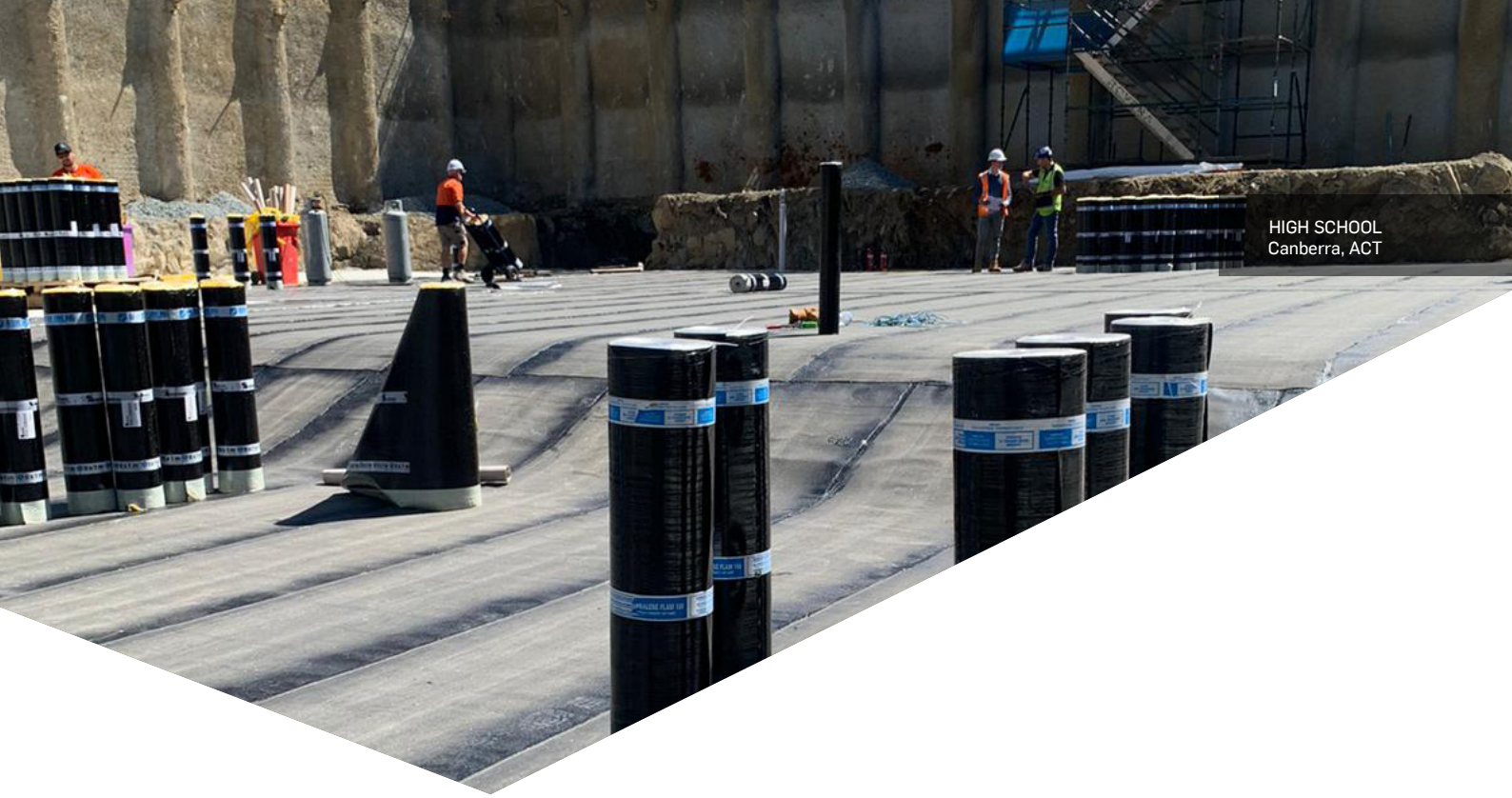


equus

SOPREMA
Authorised Distributor

masterspec partner
4131EB Equus Soprema
COLPHENE Tanking Membrane

BRANZ Appraised
Appraisal No.1037
EQUUS SOPREMA
COLPHENE BSW
TANKING MEMBRANE
SYSTEM



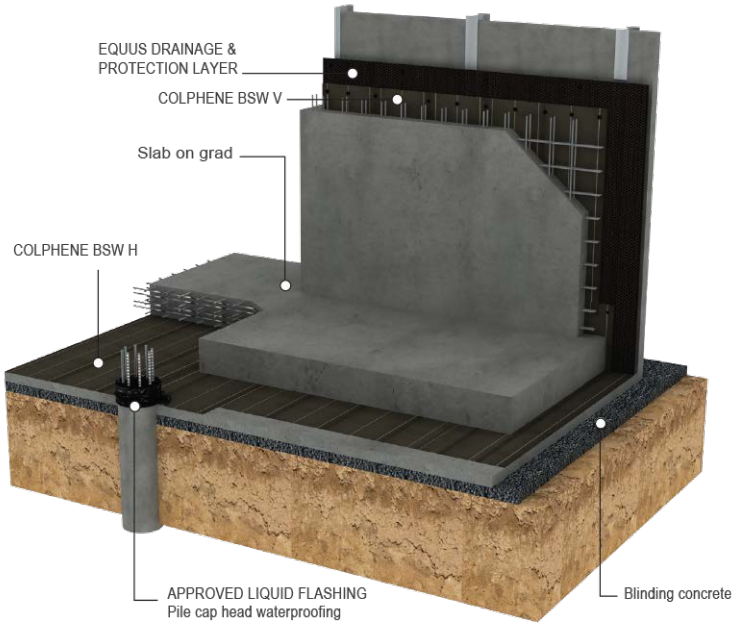
HIGH SCHOOL
Canberra, ACT

COLPHENE®
BSW

PRE-APPLIED SYSTEM

COLPHENE BSW is a fully reinforced pre-applied membrane system designed for horizontal and vertical external blind side waterproofing applications. With its unique design, it can be used near buildings that limit access and excavation.

The membranes are composed of a select blend of high performance SBS-modified bitumen, an ultra-high-strenght reinforcement, and a specially designed surface.



TESTING AND APPROVALS

SOPREMA's COLPHENE BSW membranes have been tested according to EN and ASTM Standards, and are BRANZ appraised, meeting the requirements of NZBC.

BRANZ

BENEFITS

- Excellent adhesion to poured concrete
- Increased resistance to hydrostatic pressure
- Superior resistance to tears and punctures
- Increased protection thanks to DUO SELVEDGE technology

QUALITY

COLPHENE BSW V

COLPHENE BSW V is designed for vertical blind side waterproofing applications. It is composed of high-performance SBS modified bitumen combined with an ultra-high-strength composite reinforcement. The surface is sanded and the self-adhesive underface is protected with a silicone release film. COLPHENE BSW V features DUO SELVEDGE technology.

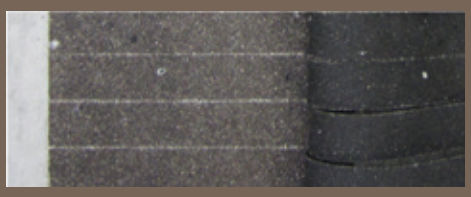


COLPHENE BSW H

COLPHENE BSW H is designed for waterproofing applications under horizontal concrete slabs. It is composed of high-performance SBS modified bitumen and a polyester reinforcement. The surface is sanded and the underface is protected with a thermofusible plastic film. Its unique design, including DUO SELVEDGE technology, allows side laps to be heat-welded using a torch or a heat gun.



DIMENSIONS	
10 x 1 m (33 x 3.3 ft)	
THICKNESSES	
3.0 mm (120 mil)	3.5 mm (140 mil)
APPLICATION METHOD	
Self-adhesive with heat-welded laps	Loose-laid with heat-welded laps



The top face of the membrane is made of SBS modified bitumen and covered with sand. The specially formulated surface softens slightly as the concrete begins to cure, releasing heat. This contributes to the adhesion of the membrane to the concrete, and prevents the ingress or migration of water around the structure.

SUPERIOR ADHESION

The system benefits from the effects of the exothermic reaction that occurs during concrete's curing process, and thus has superior adhesion due to a chemical and mechanical bond between the membrane and structural concrete. It features:

- **CONTINUOUS BOND**

  Continuous and homogeneous bond to structural concrete

- **ADHESIVE STRENGTH**

  Excellent adhesion to the poured structural concrete surface according to ASTM D903 standard



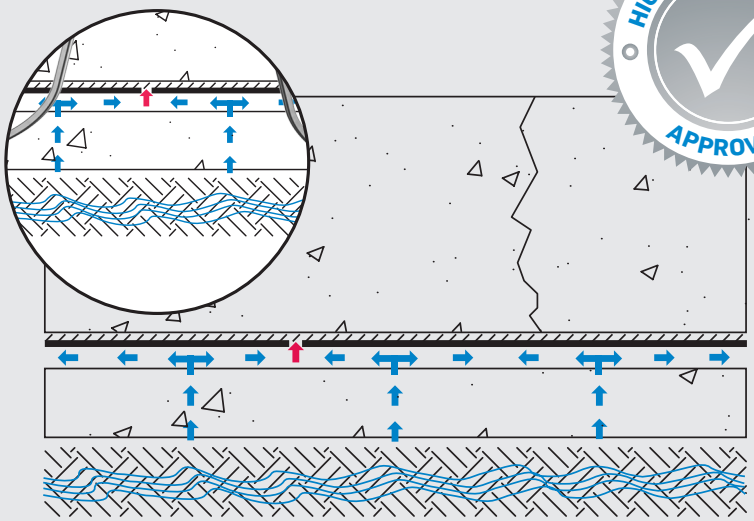
CONCEPTS

SOPREMA
Authorised Distributor

SOPREMA's SOLUTION:

COLPHENE BSW Concept
(pre-applied membrane system that is **fully bonded** to the structural concrete)

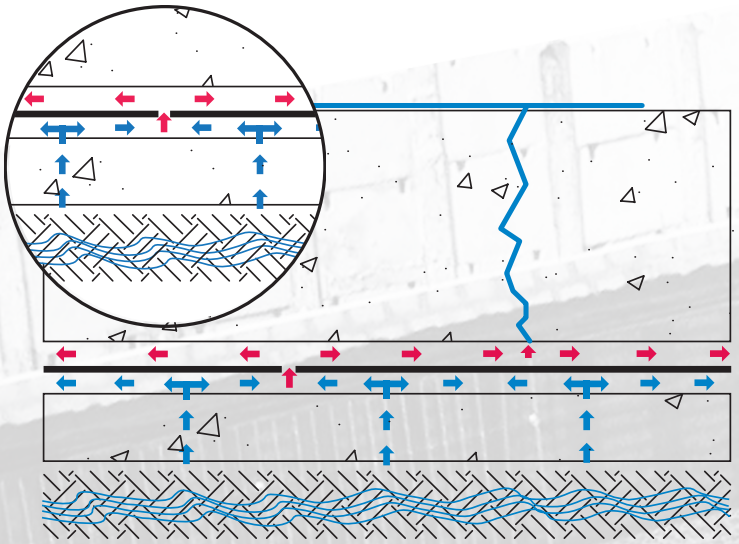
As it is natural for concrete to crack, it is important to protect it from water infiltration. The technology and concept of COLPHENE BSW ensure the full adhesion of a waterproofing system to the foundation.



OTHER OFFERINGS
ON THE MARKET:

Concept of a Conventional Waterproofing System
(when **not bonded** to the structural concrete)

When there is water migration between the waterproofing membrane and structural concrete, the structure becomes vulnerable, and corrective actions are very costly.



ACCESSORIES



ELASTOCOL STICK
Is a rubber based adhesive solvent solution.



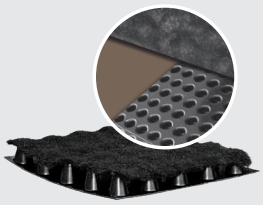
SOPRADERE QUICK PRIMER
Cold applied fast drying primer based on bitumen, solvents and adhesion-improving additives.



EASY FLASHING
A thixotropic waterproofing coating, formulated with bitumen in water emulsion, selected elastomeric resins and special additives, multipurpose with high adhesiveness.



ALSAN FLASHING QUADRO
Single-component, root resistant polyurethane resin for waterproofing junctions between horizontal surfaces, up-stands and various roof details.



EQUUS APPROVED DRAINAGE LAYER
High-density drainage panel with a factory-laminated geo-textile.
It is used on vertical surfaces before COLPHENE BSW installation.



AQUAFIN®-CJ6
Thermoplastic expansive waterstop for waterproofing construction joints. AQUAFIN®-CJ4
Bentonite joint waterstop with patented rain protection coating.



ALSAN MASTIC 2200
Flexible mastic based on bitumen and synthetic rubber. Used for sealing small tears, cracks, joints and local repairs.



SWELLSEAL
Equus Swellseal is a specially formulated, high performance, swellable, single-component, polyurethane based waterstop.



TERMINATION BAR
A pre-manufactured profile that terminates the waterproofing membrane at the wall in a professional and watertight, wind-peel resistant manner with the addition of 50 mm flange for securing drainage board.

WHO ARE WE?

Equus Industries provides technical waterproofing solutions for Architects, Engineers, Property Managers, and Contractors in the building industry. One system does not fit all.

Equus can provide complete solutions, systems, specifications, technical support and warranties.

Equus is the Authorised Distributor for SOPREMA in New Zealand. SOPREMA was founded in 1908 in France and has over 100 factories worldwide producing waterproofing materials and thermal insulation.

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