

COLPHENE 3000



WATERPROOFING

APPLICATIONS

FOUNDATIONS

PLAZA DECKS

TECHNICAL DATA SHEET

ANZ-TDS-10-COLPHENE 3000

DESCRIPTION

COLPHENE 3000 is a self-adhering membrane which is manufactured from a select blend of elastomeric SBS modified bitumen.

The surface is composed of a high-density cross-laminated HDPE carrier film with superior mechanical properties and the underface is covered with a release protection film.

COLPHENE 3000 is design for buried foundation walls and other below grade surfaces.

Cold-applied, flameless solution

High tensile strength resistance

High puncture resistance

Greater flexibility

Consistent thickness

FIELD OF APPLICATION

Design for singly-ply or two-ply assemblies, **COLPHENE 3000** is suitable for vertical and horizontal application on most building surfaces, such as masonry, concrete and woods.

COLPHENE 3000 can be used for the following general applications:

- Retaining walls
- Foundations
- Plaza decks

APPLICATION METHOD

COLPHENE 3000 is self-adhered 'peel and stick' membrane installed over a prepared substrate using ELASTOCOL STICK PRIMER or ALSAN EP 100 H2O and neoprene roller.

INSTALLATION PROCEDURE

SUBSTRATE

- No work should be started until all surfaces are smooth, dry, and free of ice, snow or any other substance that may prevent the membrane from adhering properly.
- Commencement of installation shall be taken as acceptance of the substrate by the Applicator.
- The use of ELASTOCOL STICK PRIMER or ALSAN EP 100 H2O is required before the installation of **COLPHENE 3000** membrane.

INSTALLATION

- **COLPHENE 3000** membrane must be adhered to support by peeling off the silicone release film.
- Side lap joints must be a minimum of 75 mm and end lap joints must be a minimum of 150 mm.
- Once installed, a pressure must be applied over the whole surface using a membrane roller to ensure good contact
- Apply SOPRAMASTIC or SOPRAMASTIC ALU and ALSAN FLASHING or ALSAN FLASHING JARDIN to seal details and critical areas.
- Prior to backfilling, protect **COLPHENE 3000** membrane with SOPRABOARD protection board or SOPRADRAIN drainage boards.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

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PACKAGING

SPECIFICATIONS	COLPHENE 3000
Thickness	1.5 mm
Roll dimensions	18.7 m x 1 m
Roll weight	29 kg
Rolls per pallet	30

PROPERTIES

PROPERTIES	STANDARDS	COLPHENE 3000
Tensile strength, MD/XD	ASTM D5147	11.3 / 15.4 kN/m
Tensile strength, MD/XD	ASTM D412	11.2 / 13.1 MPa
Ultimate elongation, MD/XD	ASTM D412	88 / 55 %
Ultimate elongation, MD/XD	ASTM D5147	40 / 25 %
Elongation of rubberised asphalt	ASTM D5147	> 1000 %
Flexibility at cold temperature	ASTM D5147	- 35°C
Static puncture	ASTM E154	747 N
Static puncture	ASTM D5602	400 N
Tear resistance, MD/XD	ASTM D5601	375 / 400 N
Lap adhesion	ASTM D1876	2000 N/m
Water absorption	ASTM D5147	0.1 % max
Peel resistance	ASTM D903	3500 N/m
Water vapour permeance	ASTM E96 Method B	0.49 ng/Pa·s·m ² (0.0086 perm)
Crack cycling at -32°C (25.6°F), 100 cycles	ASTM C836	Unaffected
Resistance to hydrostatic head	ASTM D5385	114 m min.
Adhesion strength to concrete - Not primed - Combined with primer	ASTM D1000	560 N/m 1650 N/m

STORAGE AND HANDLING

Rolls must be stored upright. If stored outdoors, cover them with an opaque protection cover after removal of the delivery packaging. Shelf life of **COLPHENE 3000** is 18 months, when properly stored.

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, their representative and/or the contractor are responsible for checking the suitability of products for their intended use.