



EUCOPROOF 1200 PA

PRE-APPLIED WATERPROOFING MEMBRANE

DESCRIPTION

EUCOPROOF 1200 PA is a HDPE unique composite membrane treated with pressure sensitive adhesive to enable good adhesion with concrete surfaces. **EUCOPROOF 1200 PA** form a unique integral protection around the concrete poured against it. **EUCOPROOF 1200 PA** seal to concrete prevents any ingress or migration of water around the structure.

PRIMARY APPLICATIONS

EUCOPROOF 1200 PA can be used as waterproofing membrane on below grade waterproofing application such as:

- Basement with high water table
- Cut and cover tunnel

FEATURES/BENEFITS

- Strong adhesion
- Easy and simple to install
- Puncture resistant
- Unaffected by contamination
- Unaffected by wet condition
- Chemical resistant
- No protective layer required

TECHNICAL INFORMATION

PROPERTIES	STANDARD VALUE	TEST STANDARDS
Thickness, [mm]	1.2	
Elongation [%]	400	ASTM D412
Tensile Strength [N/mm]	500	ASTM D412
Puncture Resistance [N]	>750	ASTM E154
Peel adhesion to concrete [N/mm]	2.5	ASTM D903
Low Temperature Flexibility [oC]	- 25	ASTM D1970
Resistance to Hydrostatic Head [m]	>65	ASTM D5385

PACKAGING

EUCOPROOF 1200 PA is supplied in Rolls of 20m length and width of 1.2 m.

SHELF LIFE

The shelf life is 12 months if stored in under dry conditions at a temperature between 10 – 30°C. Do not store at direct sunlight for long term.

DIRECTION FOR USE

Surface Preparation: It is essential to create a sound and solid substrate to eliminate movement during the concrete pour. Substrate must be regular and smooth with no gaps and voids. Grout around all penetrations for stability.

Horizontal Blinding – The blinding must be free off loose aggregate and sharp protrusions. An angular profiled blinding is recommended rather than a sloping or rounded substrate. The surface does not need to be dry but standing water should be removed.

Vertical Surfaces – Use proper facing such as concrete, plywood to sheet piling to provide proper support to the membrane. Board system such as timber lagging must be closed butted to provide support and not more than 12mm out of alignment.

Installation Method: **EUCOPROOF 1200 PA** can be applied at temperatures of -5°C or above. During cold and damp conditions, the selvedge and tape adhesive can be gently warmed using a hot air gun or similar to remove moisture or condensation and improve initial adhesion.

Horizontal Substrate – Place the membrane HDPE film side to the substrate with printed coated side up facing towards the concrete pour. End laps should be staggered to avoid a buildup of layers. Leave plastic release liner in position until overlap procedure is completed. Ensure the underside of the succeeding sheet is clean, dry and free from contamination before attempting to overlap. Peel back the plastic release liner from between the overlaps as the two layers bonded together. Ensure a continuous bond is achieved without creases and roll firmly with a heavy roller. Completely remove the plastic liner to expose the protective coating.

Vertical Substrate – Mechanically fasten the membrane vertically using fixings (i.e. fasteners) appropriate to the substrate with the printed coated side facing towards the concrete pour. The membrane may be installed in any convenient length. Secure the top of the membrane using a batten such as a termination bar or fixing 50mm below the top edge. Fixing can be made through the selvedge so that the membrane lays flat and allow firmly rolled overlaps. Immediately remove the plastic release liner. Any additional fixings must be covered with a patch of EUCOPROOF Tape. Ensure the underside of the succeeding sheet is clean, dry and free from contamination before attempting to overlap. Roll firmly to ensure a watertight seal.

Roll Ends and Cut Edges – Overlap all roll ends and cut edges by a minimum 75mm and ensure the area is clean and free from contaminations, wiping with a damp cloth if necessary.

Penetrations – Use the following steps to seal around penetrations such as service pipes, piles, lighting conductors, etc. Grout around the penetration is not stable. Scribe membrane tight to the penetration, if the membrane is not within 12mm of the penetration, apply EUCOPROOF Tape to cover the gap. Wrap the penetration with EUCOPROOF Tape by positioning the tape 12mm above the membrane.

Membrane Repair – Inspect the membrane before placing the formwork, steel reinforcement or pouring of concrete. If any damages are found in the membrane the same shall be repaired with EUCOPROOF TAPES.

Pouring of Concrete – Ensure the plastic release liner removed from all areas of **EUCOPROOF 1200 PA** and tape. It is recommended the concrete be poured within 56 days of application of the membrane. Concrete must be placed and compacted carefully to avoid damage to the membrane. Never use a sharp object to consolidate the concrete.

Rev: 13/08/18