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CERTIFIED

CASALI

TWO LAYER REINFORCED MODIFIED
BITUMINOUS MEMBRANE

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QUALITY YOU CAN TRUST FOR OVER 80 YEARS.

Casali produces a modern line of modified bitumen-based plasticised (APP), rubberised (SBS), and hybrid (APAO) torch-on prefabricated membranes, developed especially for the waterproofing of roof and deck structures. Installed as a two-layer system, the Casali range offers robust options up to 8mm thick, suitable for any New Zealand climate.

BENEFITS AND APPLICATIONS

The Allco Casali range is an ideal choice for a wide range of waterproofing applications in residential and commercial roofs as a damp proof membrane (DPM) for low-risk non hydrostatic below-ground installations.

Ideal for:

- Cold Roofs
- Decks
- Warm Roofs
- Green Roofs
- Carparks
- Below Ground Damp Proof Membrane (DPM)

PERFORMANCE

- Thermal operating range of -25°C/+150°C
- Suitable for use in all NZBC Climate Zones
- Excellent resistance to atmospheric aging (excellent resistance to UV rays)
- Excellent joint seal and adhesion to any type of approved substrate
- High resistance to mechanical and thermal stress
- Approved for use as a waterproofing system for trafficable surfaces
- Compatible with EFVM testing systems

PRODUCT RANGE

CASALI DERMABIT EXTRA APAO (AMORPHOUS POLYALPHAOLEFIN)

Dermabit Extra APAO is a high-performance torch-on waterproofing membrane for two-layer applications, ideal for residential and commercial roofing. The compounds used in Dermabit Extra APAO contain distilled bitumen and the latest generation of technopolymers (APAO) to ensure excellent flexibility, elasticity, and adherence. It can be used with reinforced concrete, plywood, and roof cover boards. Thermal operating range of -25°C/+150°C.

The Casali APAO torch-on membranes are installed as a two-layer system using:

- Dermaprimer solvent-based primer or Bit-U-Prime sprayable primer
- Dermabit Extra 4mm Base sheet; Aderix 2.5mm Base Sheet for ALLTHERM Warm Roof
- Dermabit Extra 4mm Cap Sheet

Finishes

Cap Sheet membrane can be either Sand Finish or Mineral Chip.

CASALI DERMAFIL APP (ATACTIC POLYPROPYLENE)

Casali Dermafil APP is suitable for a wide range of two-layer waterproofing applications for residential and commercial roofing. It can be used reinforced concrete, plywood, and roof cover boards, offering high resistance to mechanical and thermal stress. Casali Dermafil APP is suitable for use Climate Zones 1 and 2 and has a thermal operating range between -15°C and +130°C.

Olympia

A modified bitumen (APP) and copolymer-based compound membrane used as the base sheet of the two-layer torch-on roofing membrane system.

The Allco Casali Dermafil APP torch-on membranes are installed as a two-layer system with:

- Dermaprimer solvent-based primer
- Olympia 3mm Base Sheet; Aderix 2.5mm Base Sheet for ALLTHERM Warm Roof
- Dermafil 4mm Cap Sheet

Finishes

Cap Sheet membrane can be either Sand Finish or Mineral Chip.

Casali Deck Carpark

Casali Dermafil APP also comes as a 5mm reinforced membrane, approved for use as a waterproofing system under trafficable surfaces. The wide thermal operating range makes it ideal for hot asphalt application or concrete layer car parks.

- Road Asphalt up to 170°C
- Mastic Asphalt to approximately 250°C

ADERIX PEEL & STICK

Casali Aderix polymer bitumen membranes are made of “dual compound” APP/self-adhesive and SBS/self-adhesive materials. This membrane is ideal for flat or sloping roofs with wooden planks or heat-sensitive, heat-insulating materials and in situations where a naked flame is prohibited. The application of these membranes is simple, clean, and environmentally friendly, as it does not produce fumes or smells.

Casali Peel & Stick DPM

Casali Peel & Stick is BRANZ appraised for below-ground applications as a damp proof membrane to prevent water vapor from penetrating below-ground concrete structures into interior spaces where moisture may cause damage.

			APAO		APP			SBS PEEL & STICK	
	STANDARD	U.M.	APAO EXTRA 40180	APAO EXTRA 4MM	APP 4MM - 5MM	AS P&S BASE SHEET	OLYMPIA 3KG-4KG	ADERIX SS P&S BASE SHEET	ADERIX AS SP P&S CAP SHEET
Finishing	-	-	SAND	MINERAL	MINERAL	PE/PES	SAND	PE/PES	MINERAL
Reinforcement type	-	-	HSP POL	HSP POL	SP POL	POL	POL	POL	SP POL
Thickness	EN 1849 - 1	mm	4	4	4*-5*	2.5	-	2.5	4.5
Weight	EN 1849 - 1	kg	4	4	-	-	3-5	-	-
Flexibility at low temp	EN 1109	°C	5	5	-20	-20	-10	-20	-10/-20

SPECIALISED MEMBRANE

ERADIX ROOT BARRIER

Root-stop waterproofing finish in multi-layer systems for waterproofing garden roofs or decks with vegetation in contact with the structure to be protected. Reinforced with non-woven polyester, Eradix guarantees good mechanical performance for different types of stress (root pressure, weight of plants and soil, static loads, paths, etc.).

GRUVER

A perforated vent sheet used to aid in the removal of moisture from a substrate. It consists of a glass fiber mat with 4cm holes covered with a high-quality polypropylene polymer and bitumen compound, especially formulated for use with all types of APP or SBS modified bituminous membranes.

ACCESSORIES

DERMAPRIMER

Primer for bituminous waterproofing materials such as prefabricated membranes, liquid membranes, and hot bitumen. Dermaprimer consists of bitumen in solution with solvents regenerated by distillation. The product is fast-drying and adheres to any surface. It may also be used to coat and protect ferrous materials such as scaffolding, tanks, pipes, and structures.

BIT-U-PRIME

BIT-U-PRIME is an industrial strength bitumen primer formulated to prepare substrates for the installation of bitumen membranes for roofing, decking and other structures. Bit-U-Prime can also be used with a wide range of membranes and applications to optimise adhesion

IDROPRIMER

Idroprimer is a primer in water emulsion for bituminous waterproofing materials such as prefabricated membranes and bituminous liquid membranes. It ensures excellent adhesion on any type of surface. The product consists of distilled bitumen, water, and additives, ensuring rapid drying.



DESIGN CONSIDERATIONS

The specification and incorporation of Allco Casali Membranes into the building design should be carried out by a qualified designer, architect, or engineer who is responsible for buildings covered under the "Scope of Use" of this product. The designer must have access to technical specifications, including installation details and standards referenced in BRANZ Appraisal No. 647 (2017), which outlines the design limitations for the scope of this product.

Allco Casali Membranes are supplied as a complete system with proprietary accessories to handle roof penetrations, including internal and external corners. Refer to the Allco website or contact an Allco Account Manager for a full list of accessories.

SPECIFICATION AND SUBSTITUTIONS

Specification documents are available through Masterspec or can be downloaded from our website (www.allco.co.nz). Substitution of any products in NZBC-compliant systems will not be accepted, and we recommend this is clearly stated in all specification and tender documents.

INSTALLATION

Installation must be carried out by an Allco Approved Applicator. The installation shall be performed in accordance with all relevant technical information related to the selected installation method, including information contained within BRANZ Appraisal No. 647 (2017) and the supplier's installation instructions.

CARE AND MAINTENANCE

Maintenance requirements for Allco Casali are outlined in Allco's Care and Maintenance Guide. In the event of damage to the membrane, the repair must be carried out by an Allco approved applicator, who will remove the damaged portion and heat weld a patch as for new work. Drainage outlets must be maintained to operate effectively.





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