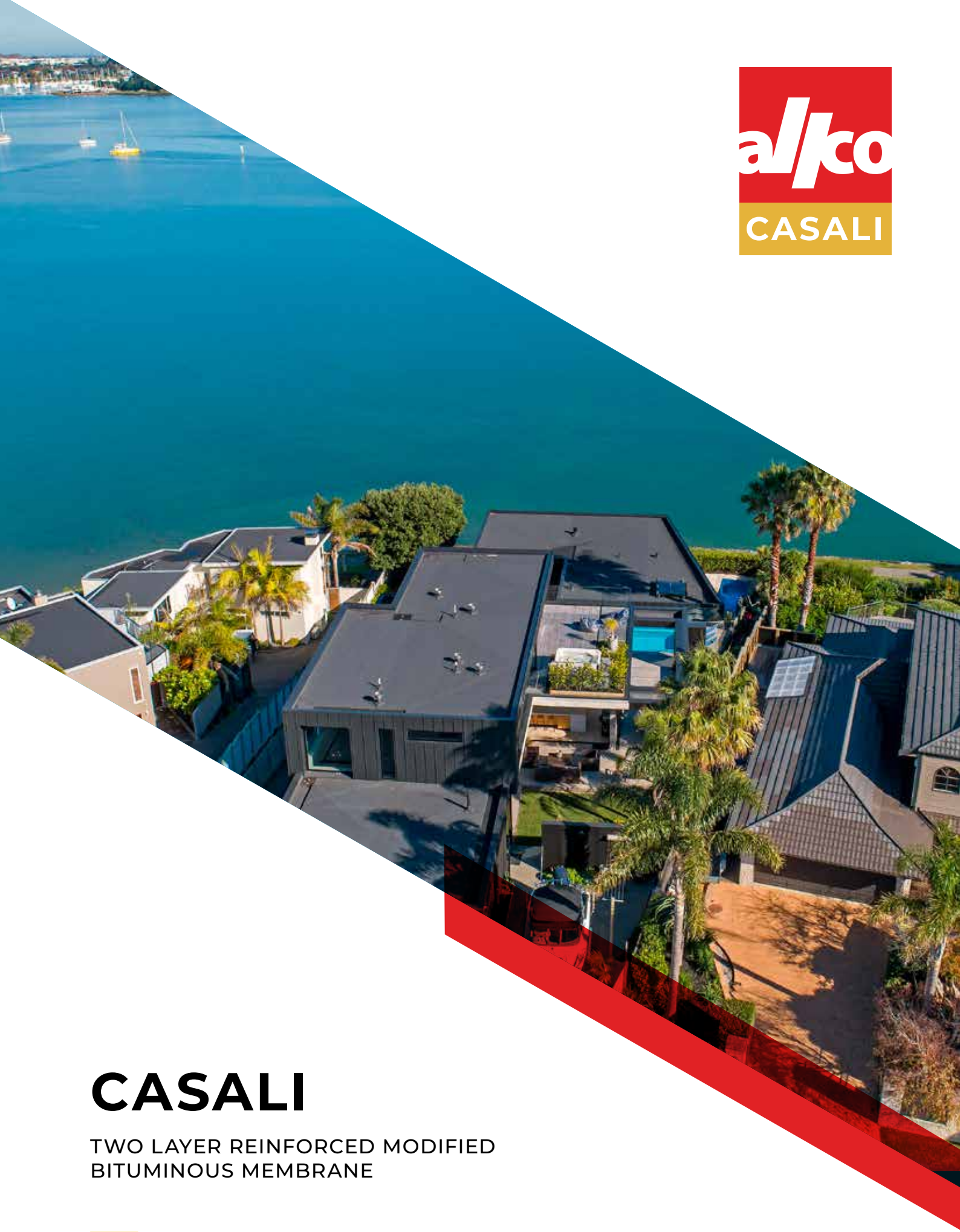

CASALI

TWO LAYER REINFORCED MODIFIED BITUMINOUS MEMBRANE

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UTILISED FOR OVER 30 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.

Present in one hundred countries all over the world, Casali is a benchmark Italian brand synonymous of quality, professionalism and technical l assistance in the building industry.

CASALI RANGE BENEFITS AND FEATURES

- Thermal operating range of -25°C/+150°C
- High elasticity
- Excellent resistance to atmospheric ageing
- Excellent joint seal and adhesion to any type of approved Substrate
- High resistance to mechanical and thermal stress

QUALITY CONTROL

- BRANZ Appraisal No. 647 (2017)
- Allco Technical Advisors: Allco has a team of Technical Advisors that are employed to assist in the field. Contact our Technical Advisors by email at: TATeam@allco.co.nz
- EFVM: is compatible with EFVM testing.

PRODUCT RANGE

ALLCO CASALI - DERMABIT EXTRA APAO RMBM (REINFORCED MODIFIED BITUMINOUS MEMBRANE) SYSTEM.

The Allco Casali -Dermabit Extra APAO (Amorphous polyalphaolefin) membrane system is a high-performance torch-on waterproofing membrane for two-layer applications and an ideal choice for a wide range of waterproofing applications for residential and commercial roofing. Approved for use as a waterproofing system under trafficable surfaces. It is suitable for use in all NZBC Climate Zones.

The Allco Casali APAO torch on membrane's are installed as a two-layer system with:

- Dermaprimer solvent based primer. (low VOC options available on request)
- Dermabit Extra 4mm Base sheet. (Aderix 2.5mm S/A base sheet for ALLTHERM/ALLRITE systems)
- Dermabit Extra 4mm Cap sheet.

Finishes

- Dermabit Extra 4mm Base sheet - Sand
- Dermabit Extra 4mm Cap sheet – Black, Grey (other colours available on request)

Performance

The compound used in Dermabit® membranes contains distilled bitumen and the latest generation of techno polymers (APAO) that ensure excellent properties of flexibility and elasticity. Dermabit Extra adheres to different types of Allco approved substrates (reinforced concrete, plywood, roof cover boards.) Dermabit Extra is extremely resistant to aging. It contains a high performance stabilised non-woven polyester reinforcement and displays a consistent nominal thickness even after installation.

The Allco Casali APAO membrane system has a high resistance to mechanical and thermal stress. The Allco Casali Dermabit® Extra has BRANZ certification and has been used for over 30 years in more than one hundred countries.

DERMABIT®	STANDARD	U.M.	DERMABIT EXTRA 40180	DERMABIT EXTRA 4MM	DERMABIT 30160	4170 CASALI DERMABIT EXTRA**	43170CASALI DERMABIT EXTRA**	DERMABIT 40250 - 50250
Finishing	-	-	SAND	MINERAL	SAND	SAND	MINERAL	SAND
Reinforcement type	-	-	HSP POL	HSP POL	SP POL	HSP POL	HSP POL	GS POL
Thickness	EN 1849 - 1	mm	4	4	3	4*	4 *	4-5
Weight	EN 1849 - 1	kg	4	4	3	4	5,2	4-5
Maximum Tensile Force LONGITUDINAL / TRASVERSAL	EN 12311-1	N/5cm	900 / 700	900 / 700	700 / 600	850 / 650	850 / 650	1200 / 900
Elongation at break LONGITUDINAL / TRASVERSAL	EN 12311-1	%	45 / 45	45 / 45	40 / 40	40 / 40	40 / 40	50 / 50
Tearing resistance LONGITUDINAL / TRASVERSAL	EN 12310 -1	N	200 / 200	200 / 200	150 / 150	170 / 170	170 / 170	220 / 240
Flow resistance at elevated temperature	EN 1110	°C	150	150	150	150	150	150
Flexibility at low temperatures	EN 1109	°C	-25	-25	-20	-20	-20	-20
Dimensional stability	EN 1107-1	%	±0,2%	±0,2%	±0,3%	±0,2%	±0,2%	±0,2%
Thermal ageing in air VARIATION OF LOW TEMPERATURE FLEXIBILITY	EN 1296 EN 1109	Δ°C	5	5	5	5	5	5
Peel resistance of joints	EN 12316-1	N/5cm	40	40	40	40	40	40

*** THICKNESS MEASURED INCLUDING MINERAL FINISHING**

REINFORCEMENT - **POL:** standard performance stabilized non woven polyester / **SP POL:** medium performance stabilized non woven polyester / **HSP POL:** high performance stabilized non woven polyester / **GS POL:** special performance stabilized non woven polyester for great structure / **GLASS FIBRE:** fibre glass mat reinforced with threads / **ALL + POL:** aluminium foil coupled with non woven polyester - ***FINISHING*** - **MINERAL:** slated / **SAND:** sanded / **PBS:** Polyethylene on both sides.

PRODUCT RANGE

ALLCO CASALI - APP RMBM (REINFORCED MODIFIED BITUMINOUS MEMBRANE) SYSTEM.

The Allco Casali -APP (Atactic Polypropylene) membrane system is suitable for a wide range of two-layer waterproofing applications for residential and commercial roofing. Approved for use as a waterproofing system under trafficable surfaces. Suitable for use in climate zone 1 and 2 (NZBC Climate Zones)

Casali APP membrane system has a high resistance to mechanical and thermal stress. Dermafil® has BRANZ certification and has been used for over 30 years in more than one hundred countries.

The Allco Casali APP torch on membrane's are installed as a two-layer system with:

- Dermaprimer solvent based primer. (low VOC options available on request)
- Olympia 3mm Base sheet (Aderix 2.5mm S/A base sheet for ALLTHERM/ALLRITE systems)
- Dermafil 4mm Cap sheet

Finishes

- Olympia 3mm Base sheet - Sand
- Dermafil 4mm Cap sheet – Black, Grey (other colours available on request)

Performance

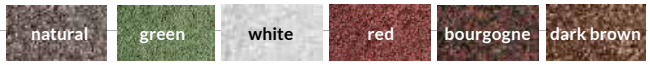
A bitumen-based compound modified with select polypropylene polymers (APP) and co-polymers, containing stabilised non-woven polyester reinforcement. Multi-functional system suited for a variety of applications, wide thermal operating range (-15°C/+130°C), adheres to different types of Allco approved substrates (reinforced concrete, plywood, roof cover boards.) Displays consistent nominal thickness even after installation.

DERMAFIL	STANDARD	U.M.	DERMAFIL 30200 - 40200	DERMAFIL 40160	DERMAFIL 40250 - 50250	DERMAFIL 40200 - 45200 - 50200	DERMAFIL 4 mm - 5 mm
Finishing	-	-	SAND	SAND	SAND	MINERAL	MINERAL
Reinforcement type	-	-	SP POL	SP POL	GS POL	SP POL	SP POL
Thickness	EN 1849 - 1	mm	3/4	4	4-5	-	4*-5 *
Weight	EN 1849 - 1	kg	-	-	-	4/4,5 5	-
Maximum Tensile Force LONGITUDINAL / TRASVERSAL	EN 12311-1	N/5cm	600/500	700/600	120 /900	600/500	700/600
Elongation at break LONGITUDINAL / TRASVERSAL	EN 12311-1	%	40/40	40/40	45/45	40/40	40/40
Tearing resistance LONGITUDINAL / TRASVERSAL	EN 12310 -1	N	150/150	150/150	200/220	150/150	150/150
Flow resistance at elevated temperature	EN 1110	°C	130	130	130	130	130
Flexibility at low temperatures	EN 1109	°C	-15	-15	-15	-15	-15
Dimensional stability	EN 1107-1	%	±0,3%	±0,3%	±0,2%	±0,3%	±0,3%

*** THICKNESS MEASURED INCLUDING MINERAL FINISHING**

REINFORCEMENT - **POL:** standard performance stabilized non woven polyester / **SP POL:** medium performance stabilized non woven polyester / **HSP POL:** high performance stabilized non woven polyester / **GS POL:** special performance stabilized non woven polyester for great structure / **GLASS FIBRE:** fibre glass mat reinforced with threads / **ALL + POL:** aluminium foil coupled with non woven polyester - ***FINISHING*** - **MINERAL:** slated / **SAND:** sanded / **PBS:** Polyethylene on both sides.

SLATED SELF PROTECTION AVAILABLE FOR DERMAFIL:
other finishing on request.



OLYMPIA	STANDARD	U.M.	OLYMPIA 3 KG - 4 KG	OLYMPIA 3 MM - 4 MM	OLYMPIA 4 KG - 4,5 KG - 5 KG	OLYMPIA 4 KG - 4,5 KG - 5 KG
Finishing	-	-	SAND	SAND	MINERAL	MINERAL
Reinforcement type	-	-	POL	SP POL	POL	SP POL
Thickness	EN 1849 - 1	mm	-	3 - 4	-	-
Weight	EN 1849 - 1	kg	3 - 4	-	4 - 4,5 - 5	4 - 4,5 - 5
Maximum Tensile Force LONGITUDINAL / TRASVERSAL	EN 12311-1	N/5cm	500 / 400	600 / 500	500 / 400	600 / 500
Elongation at break LONGITUDINAL / TRASVERSAL	EN 12311-1	%	35 / 35	40 / 40	35 / 35	40 / 40
Tearing resistance LONGITUDINAL / TRASVERSAL	EN 12310 -1	N	140 / 140	150 / 150	140 / 140	150 / 150
Flow resistance at elevated temperature	EN 1110	°C	130	130	130	130
Flexibility at low temperatures	EN 1109	°C	-10	-10	-10	-10
Dimensional stability	EN 1107-1	%	±0,3%	±0,3%	±0,3%	±0,3%

*** THICKNESS MEASURED INCLUDING MINERAL FINISHING**

REINFORCEMENT - **POL:** standard performance stabilized non woven polyester / **SP POL:** medium performance stabilized non woven polyester / **HSP POL:** high performance stabilized non woven polyester / **GS POL:** special performance stabilized non woven polyester for great structure / **GLASS FIBRE:** fibre glass mat reinforced with threads / **ALL + POL:** aluminium foil coupled with non woven polyester - ***FINISHING*** - **MINERAL:** slated / **SAND:** sanded / **PBS:** Polyethylene on both sides.

SLATED SELF PROTECTION AVAILABLE FOR DERMAFIL:
other finishing on request.

ACCESSORIES

CASALI 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.

Reinforcements

Stabilised polyester with different technical performances.

Finishes

Torch-on polyethylene film (PBS), mineral selfprotection in different colours.

Performance

Barrier against the perforating action of roots guaranteed by the addition of a certified additive (complying with EN 13498). High mechanical strength, a wide thermal operating range that may be varied with respect to the type of compound modification (APP/SBS), better indoor temperature and humidity conditions and reduced environmental impact when applied as a waterproofing solution in the presence of vegetation on the roofing. In the 40200 version, the product has successfully passed the 4 year FLL root stop test.

CASALI GRUVER

A perforated vent sheet used to aid in the removal of moisture from a substrate.

Reinforcements

Perforated glass mat.

Finishes

PBS.

GRUVER	STANDARD	U.M.	15050
Finishing	-	-	PBS
Reinforcement type	-	-	GLASS FIBRE
Thickness	EN 1849 - 1	mm	-
Length of the roll	-	m	20
Height of the roll	-	m	1
Mass per unit area	EN 1849 - 1	kg/m²	1,3
Flexibility at low temperatures	EN 1109	°C	-5
Softening point	-	°C	+120

REINFORCEMENT - **GLASS FIBRE:** fibre glass mat reinforced with threads / **FINISHING - PBS:** Polyethylene on both sides.

ACCESSORIES

CASALI ADERIX SELF-ADHESIVE MEMBRANE

ADERIX is a self-adhesive membrane which has been optimised to meet requirements of professional installer.

The ADERIX range includes mono and dual-compound membranes with appropriate combinations of mixtures and finishes to meet major use destination.

ADERIX membranes contain seamless strand polyester non-woven fabric reinforcement stabilised with fibreglass threads. This reinforcement ensures excellent mechanical properties and outstanding dimensional stability.

The self-adhesive compound in the ADERIX range of membranes is formulated with:

- full mass self-adhesive compound featuring reinforced polyester or composite reinforcement aluminium and polyester which acts also as a vapour barrier element.
- double APP/self-adhesive coating and stabilised polyester reinforcement with top finish in PE film - natural slate - PP fabric: in all these cases a lateral siliconized head section is laid.
- double SBS/self-adhesive coating and stabilized polyester reinforcement with top finish in PE film: in all the products a lateral siliconized head section is laid.

Performance

The use of dual-compound membranes reduces costs while ensuring that the self-adhesive compound is concentrated in the contact face where the membrane is applied thus making it possible to work with compounds having different characteristics.

			ADERIX POLYESTER		ADERIX POLYESTER AS						ADERIX POLYESTER SS		
ADERIX	**STANDARD**	**U.M.**	**1.5mm**	**2 AL**	**2mm**	**2.5mm**	**3mm**	**3mm TEX**	**3.5 Mineral**	**4 Mineral**	**2mm**	**2.5mm**	**3mm**
Finishing	-	-	PE/PES	PE/PES	PE/PES	PE/PES	PE/PES	TEX/PES	MIN/PES	MIN/PES	PE/PES	PE/PES	PE/PES
Reinforcement type	-	-	SP POL	AL+POL	POL	POL	POL	POL	POL	POL	POL	POL	POL
Thickness	EN1849-1	mm	1,5	-	2	2.5	3	3	-	-	2	2.5	3
Weight	EN1849-1	kg	-	2	-	-	-	-	3.5	4	-	-	-
Maximum Tensile Force LONGITUDINAL/TRASVERSAL	EN12311-1	N/5cm	700/500	450/200	400/300	400/300	400/300	400/300	400/300	400/300	400/300	400/300	400/300
Elongation at break LONGITUDINAL/TRASVERSAL	EN12311-1	%	40/40	15/15	35/35	35/35	35/35	35/35	35/35	35/35	35/35	35/35	35/35
Tearing resistance LONGITUDINAL/TRASVERSAL	EN12310-1	N	150/150	120/120	130/130	130/130	130/130	130/130	130/130	130/130	130/130	130/130	130/130
Flow resistance at elevated temperature	EN1110	°C	90	90	100	100	100	100	100	100	100	100	100
Flexibility at low temperatures	EN1109	°C	-20	-20	-20*	-20*	-20*	-20*	-20*	-20*	-20	-20	-20

*** COLD FLEXIBILITY ON THE TOP SIDE (APP COMPOUND) -10°C**

REINFORCEMENT - **POL:** standard performance stabilized non woven polyester / **SP POL:** medium performance stabilized non woven polyester / **HSP POL:** high performance stabilized non woven polyester / **GS POL:** special performance stabilized non woven polyester for great structure / **GLASS FIBRE:** fibre glass mat reinforced with threads / **ALL + POL:** aluminium foil coupled with non woven polyester - ***FINISHING*** - **MINERAL:** slated / **SAND:** sanded / **PBS:** Polyethylene on both sides / PES: Polyethylene siliconed / **PE:** Polyethylene / **TEX:** Non Woven Polypropilene

CASALI 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. Dermaprimer may also be used to coat and protect ferrous materials such scaffolding, tanks, pipes, structures etc.

ACCESSORY COMPONENTS

A full range of torch-on compatible roof vents, outlets and drainage components are available to enable best practice design. Allco recommends Aquaknight industries moulded drainage fixtures. We also have stainless steel and aluminium roof vents, outlets and scuppers available to cater to all design scenarios. These components are selected to be used in combination with our membranes to provide a fully warranted system.

TYPICAL APPLICATIONS

- Cold roof
- Warm roof - ALLTHERM
- Recover roof - ALLRITE
- Decks & Podiums with a trafficable overlay system
- Protected membrane roof (PMR)

LIFE CYCLE BENEFIT

The world of Casali products guarantees the best technology and high quality raw materials, all subject to strict controls. Since 1996 Casali's production process has been certified by UNI EN ISO 9001 and the company is certified for application of the CE mark. Casali has also been awarded numerous international and national certifications in the different Countries in which it operates – all attesting the exceptional performance and durability of its products, as in the case of Enduring Quality waterproofing membranes that have proved to be efficient after 30 years from installation.

INSTALLATION

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

MAINTENANCE REQUIREMENTS

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

If you would like to learn more or require assistance with design, specification or compliance, please speak with your Allco Account Manager today on (09) 448 1185 or email tech@allco.co.nz

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MEMBER
2020–2021

MEMBER OF ROOFING ASSOCIATION NZ

BRANZ Appraised
Appraisal No.647 (2017)