NOVA-SK MINERAL

Self-adhesive waterproofing membrane cap sheet

July 2026

DESCRIPTION:

NOVA-SK MINERAL is a self-adhesive bitumen waterproofing membrane, industrially manufactured by impregnation of the reinforcement with the waterproofing compound based on distilled bitumen modified with thermoplastic elastomeric polymers of the latest generation, which gives the compound superior technical characteristics and adhesive characteristic.

The composite reinforcement, made of non-woven spun bond polyester in combination with fibreglass, conveys high mechanical characteristics, excellent dimensional stability and elastic performance.

Shaping of sheets, straightness, dimensional and surface uniformity are accomplished by hot calendaring of the mass at hot melt fluid state. It is a self-protected membrane; the upper surface is coated with coloured slate chips and selvedge protected by an anti-adhesive removable film.

CodeMark CMNZ70151

BRANZ Appraised Appraisal No. 1169

BRANZ Appraised Appraisal No. 819

PACKAGING:

Properties	Testing Method	NOVA-SK MINERAL
Roll length	EN 1848-1:1999	10 m
Roll width	EN 1848-1:1999	1 m

TECHNICAL DATA:

Properties	Norm	Value	Unit	Tolerance
Thickness	EN1849-1:1999	4.5	(kg/m²)	± 10%
Straightness	EN1848-1:1999	Passed	-	20 mm/10 m
Flexibility at low temperature (pliability)	EN1109:2013	-25	(°C)	≤
Heat flow resistance	EN1110:2010	90	(°C)	≥
Watertightness	EN1928-B:2000	200	(kPa)	≥
Watertightness	EN1928-B-2000	Passed	(kPa)	2 kPa/2h
Water vapour transmission properties	EN1931:2000	20.000	(μ)	-
Properties	**Norm**	**Value M.d.C.d.**	**Unit**	**Tolerance**
Tensile properties: maximum tensile strength	EN12311-1:1999	500/300	(N/50mm)	-20%
Tensile properties: elongation at break	EN12311-1:1999	30/30	(%)	-15
Resistance to tearing (nail shank)	EN12310-1:1999	100/100	(N)	-30%
Dimensional stability	EN1107-1:1999	±0.3/±0.3	(%)	≤
Shear resistance of joints	EN12317-1:1999	500/300	(N/50mm)	-20%
Resistance to static puncture	EN12730-A:2015	NPD		
Resistance to impact	EN12691-A:2006	NPD		
External fire performance (note 1)	EN1187:2012/ EN13501-5:2005 +A1:2009	Froof	Class	-
Reaction to fire	EN11925-2:2010/ EN13501-1:2007 +A1:2009	E	Class	-

masterspec partner

4421EN Equus Nova-SK Flameless Roof & Deck Membrane by Soprema

Equus Industries Ltd. 4 Sheffield St, Blenheim 7274 | Phone: 03 578 0214 | Email: info@equus.nz | Web: www.equus.nz

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TECHNICAL DATA continued:

Properties	Norm	Value M.d.C.d.	Unit	Tolerance
Root resistance	EN13948:2007	NPD		
Visual defects	EN1850-1:2001	Passed	-	-
Determination of adhesion of granules (loss)	EN1297:2004	Passed	(%)	< 30
Durability: Flexibility at low temperature after artificial ageing	EN1296:2000/ EN1109:2013	-25	(°C)	+15
Durability: Flow resistance at elevated temperature after artificial ageing	EN1296:2000/ EN1110:2010	NPD		
Durability: Watertightness after artificial ageing	EN1296:2000/ EN1928-B:2000	Passed	(kPa)	≥ 60
Durability: Watertightness against chemicals	EN1296:2000/ EN1847:2009	NPD		
Artificial ageing by long term exposure to the combination of UV radiation and elevated temperature and heat: Tensile strength	EN1296:2000/ EN12311-1:1999	NPD		
Artificial ageing by long term exposure to the combination of UV radiation and elevated temperature and heat: Elongation	EN1296:2000/ EN12311-1:1999	NPD		
Artificial ageing by long term exposure to the combination of UV radiation and elevated temperature and heat: Watertightness	EN1296:2000/ EN1298-A:2000	W1	Class	-

SCOPE OF USE:
NOVA-SK MINERAL is a high-performance membrane best suited for areas where open flame installation is not advisable. It is used as a self-adhesive cap sheet in the SOPREMA NOVA-SK Roof & Deck Membrane System and the NOVATHERM Warm Roof System. The product is glued via a self-adhesive 'peel and stick' application and can be used over concrete, plywood, cross-laminated timber (CLT), and roof cover board substrates. Along with the NOVA-SK base sheet the membrane forms a two-layer waterproof membrane designed for roofs, decks, balconies, terraces and podiums.

It is suitable for new builds and refurbishments, residential and commercial construction. The excellent mechanical characteristics and high level thermo-dynamic stability make it suitable for any climate conditions, location or wind zone in New Zealand.

Suitable for other waterproofing applications with written approval by Equus Industries Ltd.

APPLICATION PROCEDURE:
The high self-adhesive properties of the waterproofing compound allow the application without flame, simply removing the lower anti-adhesive removable film. In particular situations, it could be applied with hot air generator.

The application of the membrane must be carried out in good weather conditions, when the temperature is over 10°C, and after the substrate has been adequately cleaned and prepared.

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CONDITIONS OF USE:
Written approval is required for this membrane to be used on a substrate or in a waterproofing system not outlined in the standard Equus specifications. The membrane shall always be over laid with a bitumen membrane cap sheet, as out lined in an Equus standard specification.

The product must be installed by a Certified Equus Applicator. Verification of their status can be confirmed by a current applicator certificate or by contacting Equus Industries Ltd. Any installation must be done in accordance with the latest specifications and technical documentation, or with written approval by Equus Industries Ltd.

BUILDING CODE COMPLIANCE:
B2 Durability - B2.3.1 (b), NOVA-SK MINERAL has a durability of at least 15 years, when installed with the correct specification, installation and maintenance. See CodeMark CMNZ70151, BRANZ Appraisal 520.

E2 External moisture - E2.3.1, E2.3.2, E2.3.7 Test data, together with in-service history in New Zealand and internationally, of the correctly installed NOVA-SK MINERAL membrane over correctly designed and constructed substrates, show that the membrane successfully resists the ingress of moisture. See CodeMark CMNZ70151, BRANZ Appraisal 520.

F2 Hazardous building materials - F2.3.1 Well known experience with the type of materials used together with in-service history, show that NOVA-SK MINERAL complies with this performance requirement. Refer to SDS at www.equus.nz

NORMS AND CERTIFICATIONS:
EN13707; EN13969 -1381 - 1381-CPR-415; EN13859-1 - 1211 - 51-18-0025

SUPPORTING DOCUMENTATION:
Can be found at: www.equus.nz

STORAGE:
The product is packed as standing rolls on wooden pallets wrapped with thermoshrinking protective hoods. Rolls must be stored in an upright position, without stacking the pallets to avoid deformations which can compromise the correct application of the membrane. The product must be stored indoors, protected from heat and frost.

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No

MANUFACTURERS CONTACT DETAILS:

Manufacture location	Italy
Legal and trading name of manufacturer	Soprema New Zealand Limited
Manufacturer address for service	Level 3, Candida Building 4, 61 Constellation Drive, Mairangi Bay, Auckland 0630, New Zealand
Manufacturer website	www.soprema.com.au
Manufacturer email	info@soprema.com.au
Manufacturer phone number	+61 3 9221 6230
Manufacturer NZBN	9429050312962

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