

SOPREMA VINITEX PR

TECHNICAL DATA SHEET

ANZ-TDS-20-VINITEX PR



WATERPROOFING

APPLICATIONS

ROOFS

GREEN ROOFS

PLANTER BOXES

DESCRIPTION

SOPREMA VINITEX PR is a synthetic PVC-P membrane obtained by cast process with a polyester reinforcement mesh and a signal layer on the surface. **VINITEX PR** is design for roofing applications. It is resistant to dust, mold, ultraviolet rays, puncturing, weathering and roots growth. VINITEX PVC membranes are naturally fireresistant, theyself-extinguish and resist the spread of flame.

FIELD OF APPLICATION

Designed for single-ply application on horizontal surfaces, **VINITEX PR** is mechanically fixed on insulation panels, concrete ceilings or existing waterproofing with separation layer covering for the following general applications:

- General Roofing
- Green Roofs
- Planter Boxes
- Plaza Decks
- Balconies
- Cavity Walls

APPLICATION METHOD

On the main surface, **VINITEX PR** is semi-loose laid by mechanical fastening, and always laid to run a few centimetres on the parapet. **VINITEX PR** membrane is fastened around the perimeter of the roof and around any protruding features with **VINIRAIL** bars or adapted screws and plates.

At the top of the upstands, **VINITEX PR** is heat welded on **VINITEX METAL** strip mechanically fastened onto the substrate. The overlaps are heat welded using a leister automatic welder or a hot air gun.

INSTALLATION PROCEDURE

SUBSTRATE

- No work should start until all surfaces are smooth, dry, and free of ice, snow or any other substance that may prevent the membrane from adhering properly.
- Substrate must have a minimum 1% gradient to ensure that water drains to drainage outlets.
- Concrete substrate must be fully cured before application of the membrane.
- Concrete substrate must have a Concrete Surface Profile (CSP) between 2 and 4 as per International Concrete Repair Institute.
- Adhesion test is recommended prior to installation of membrane.
- Commencement of installation shall be taken as acceptance of the substrate by the Applicator.
- The use of **VINITEX W** is required before the installation of **VINITEX PR** membrane at the vertical.

INSTALLATION

- Unroll membrane sheets onto the roof surface.
- Ensure specified side-laps and end-laps are maintained. End-laps should be staggered 1 m apart or lay a transverse sheet or strip (minimum width 20 cm) across the bottom of two or more perfectly aligned and parallel sheets to provide a connection to the subsequent set.
- Upstands are waterproofed with **VINITEX PR** membrane using **VINITEX W** adhesive for upstands > 40 cm high or mechanical fixed when upstands < 40 cm.
- Laying of **VINITEX PR** strips to be positioned at the head of the rolls of **VINITEX PR** membrane; the strips should be welded in order to join the heads of the rolls of **VINITEX PR**.
- All penetrations and upturn details should be waterproof as per SOPREMA Installation Guides and detail drawings.

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

Compliance with AS 4654.1

Service life in excess of 35 years

Cold applied, flameless solution

Resistant to wind stress

High resistant to dust, mold & weathering

Self-extinguish

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PACKAGING

SPECIFICATIONS	VINITEX PR
Thickness	1.5 mm
Roll dimensions	20 m x 2.10 m
Roll weight	82 kg
Rolls per pallet	14

PROPERTIES

PROPERTIES	STANDARDS	VINITEX PR
		1.5 mm
Weight (kg/m ²)	EN 1849-2	1.80
Tensile strength (N/5cm)	EN 12311-2	≥ 1100
Elongation to break (%)	EN 12311-2	≥ 150
Tear resistance (N)	EN 12310-2	≥ 200
Resistance to impact (mm)	EN 12691	≥ 800
Cold bending (°C)	EN 495-5	≤ - 25
Hydrostatic pressure resistance (6 hours at 0.5 Mpa)	EN 1928 met. B	waterproof
Dimensional stability after 6 hours at 80°C (%)	EN 1107-2	≤ 0.5
Resistance to artificial weathering (UV)	EN 1297	no surface cracking
Resistance to roots penetration	EN 13948	no penetration
Resistance to static punching (kg)	EN 12730	≥ 20
Fire resistance	EN ISO 11925-1 EN 13501-1	E

STORAGE AND HANDLING

VINITEX PVC membranes are delivered on site in rolls, on flat, ventilated pallets. They should be stored in a dry place or, if this is not possible, they should be protected against dampness, sun, rain and snow using waterproof sheets. Shelf life of VINITEX PR is 60 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.

Vinitex PVC Waterproofing Membrane Soprema Australia Pty Ltd

Chemwatch: 5430-48
Version No: 2.1.1.1
Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 0

Issue Date: 27/10/2020
Print Date: 30/10/2020
L.GHS.AUS.EN

SECTION 1 Identification of the substance / mixture and of the company / undertaking

Product Identifier

Product name	Vinitex PVC Waterproofing Membrane
Synonyms	Not Available
Other means of identification	Not Available

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Waterproofing. Use according to manufacturer's directions.
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Details of the supplier of the safety data sheet

Registered company name	Soprema Australia Pty Ltd
Address	100 Barangaroo Avenue Sydney NSW 2000 Australia
Telephone	+61 3 9221 6230
Fax	Not Available
Website	soprema.com.au
Email	info@soprema.com.au

Emergency telephone number

Association / Organisation	Soprema Australia Pty Ltd
Emergency telephone numbers	+61 3 9221 6230 (Mon-Fri 8am to 5pm)
Other emergency telephone numbers	Not Available

SECTION 2 Hazards identification

Classification of the substance or mixture

Poisons Schedule	Not Applicable
Classification [1]	Not Applicable

Label elements

Hazard pictogram(s)	Not Applicable
Signal word	Not Applicable

Hazard statement(s)

Not Applicable

Precautionary statement(s) Prevention

Not Applicable

Precautionary statement(s) Response

Not Applicable

Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

Not Applicable

SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
Not Available		solid shape article contains

CAS No	%[weight]	Name
Not Available	100	ingredients

SECTION 4 First aid measures

Description of first aid measures

Eye Contact	<ul style="list-style-type: none"> Generally not applicable.
Skin Contact	<ul style="list-style-type: none"> Generally not applicable.
Inhalation	<ul style="list-style-type: none"> Generally not applicable.
Ingestion	<ul style="list-style-type: none"> Not considered a normal route of entry. Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 Firefighting measures

Extinguishing media

- There is no restriction on the type of extinguisher which may be used.

Special hazards arising from the substrate or mixture

Fire Incompatibility	None known.
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Advice for firefighters

Fire Fighting	<ul style="list-style-type: none"> Use water delivered as a fine spray to control fire and cool adjacent area. Do not approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire. Equipment should be thoroughly decontaminated after use.
Fire/Explosion Hazard	<ul style="list-style-type: none"> Non combustible. Not considered a significant fire risk, however containers may burn.
HAZCHEM	Not Applicable

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

Minor Spills	<ul style="list-style-type: none"> Clean up all spills immediately. Secure load if safe to do so. Bundle/collect recoverable product. Collect remaining material in containers with covers for disposal.
Major Spills	<ul style="list-style-type: none"> Minor hazard. Clear area of personnel. Alert Fire Brigade and tell them location and nature of hazard. Wear physical protective gloves e.g. Leather. Contain spill/secure load if safe to do so. Bundle/collect recoverable product and label for recycling. Collect remaining product and place in appropriate containers for disposal. Clean up/sweep up area. Water may be required.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 Handling and storage

Precautions for safe handling

Safe handling	Keep away from food, drink and animal feed. No special handling procedures required.
Other information	<ul style="list-style-type: none"> Keep dry

Conditions for safe storage, including any incompatibilities

Suitable container	<ul style="list-style-type: none"> Check that containers are clearly labelled
Storage incompatibility	None known

Vinitex PVC Waterproofing Membrane

SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Not Available


Emergency Limits

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
Vinitex PVC Waterproofing Membrane	Not Available	Not Available	Not Available	Not Available

Ingredient	Original IDLH	Revised IDLH
Vinitex PVC Waterproofing Membrane	Not Available	Not Available

MATERIAL DATA

Exposure controls

Appropriate engineering controls	None under normal operating conditions.
Personal protection	
Eye and face protection	Eye protection designed to protect against exposure to dusts should be worn when there is a likelihood of exposure. None under normal operating conditions.
Skin protection	See Hand protection below
Hands/feet protection	During application of blowtorch: heat insulating gloves. Long sleeve protective clothing. Wear general protective gloves, eg. light weight rubber gloves. No special equipment required due to the physical form of the product.
Body protection	See Other protection below
Other protection	No special equipment required due to the physical form of the product.

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Solid shape article.		
Physical state	Manufactured	Relative density (Water = 1)	1.2
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Applicable
pH (as supplied)	Not Applicable	Decomposition temperature	Not Applicable
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Applicable
Initial boiling point and boiling range (°C)	Not Applicable	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not Applicable	Taste	Not Available
Evaporation rate	Not Applicable	Explosive properties	Not Available
Flammability	Not Applicable	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Applicable	Surface Tension (dyn/cm or mN/m)	Not Applicable
Lower Explosive Limit (%)	Not Applicable	Volatile Component (%vol)	Not Applicable
Vapour pressure (kPa)	Not Applicable	Gas group	Not Available
Solubility in water	Not Applicable	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Applicable	VOC g/L	Not Applicable

SECTION 10 Stability and reactivity

Reactivity	See section 7
Chemical stability	Product is considered stable and hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7

Vinitex PVC Waterproofing Membrane

Hazardous decomposition products	See section 5
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SECTION 11 Toxicological information

Information on toxicological effects

Inhaled	Not normally a hazard due to physical form of product.
Ingestion	Not normally a hazard due to the physical form of product. The material is a physical irritant to the gastro-intestinal tract
Skin Contact	Not normally a hazard due to physical form of product.
Eye	Not normally a hazard due to physical form of product.
Chronic	▶ Generally not applicable.

Vinitex PVC Waterproofing Membrane	TOXICITY	IRRITATION
	Not Available	Not Available

Legend: 1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

Acute Toxicity	✗	Carcinogenicity	✗
Skin Irritation/Corrosion	✗	Reproductivity	✗
Serious Eye Damage/Irritation	✗	STOT - Single Exposure	✗
Respiratory or Skin sensitisation	✗	STOT - Repeated Exposure	✗
Mutagenicity	✗	Aspiration Hazard	✗

Legend: ✗ – Data either not available or does not fill the criteria for classification
✓ – Data available to make classification

SECTION 12 Ecological information

Toxicity

Vinitex PVC Waterproofing Membrane	Endpoint	Test Duration (hr)	Species	Value	Source
	Not Available	Not Available	Not Available	Not Available	Not Available

Legend: Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 (QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

DO NOT discharge into sewer or waterways.

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
	No Data available for all ingredients	No Data available for all ingredients

Bioaccumulative potential

Ingredient	Bioaccumulation
	No Data available for all ingredients

Mobility in soil

Ingredient	Mobility
	No Data available for all ingredients

SECTION 13 Disposal considerations

Waste treatment methods

Product / Packaging disposal	<ul style="list-style-type: none"> ▶ Recycle wherever possible or consult manufacturer for recycling options. ▶ Consult State Land Waste Management Authority for disposal. ▶ Bury residue in an authorised landfill. ▶ Recycle containers if possible, or dispose of in an authorised landfill.
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SECTION 14 Transport information

Labels Required

Marine Pollutant	NO
HAZCHEM	Not Applicable

Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

SECTION 15 Regulatory information

Safety, health and environmental regulations / legislation specific for the substance or mixture

National Inventory Status

National Inventory	Status
Australia - AIC	Yes
Australia - Non-Industrial Use	Yes
Canada - DSL	Yes
Canada - NDSL	Yes
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	Yes
Japan - ENCS	Yes
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	Yes
USA - TSCA	Yes
Taiwan - TCSI	Yes
Mexico - INSQ	Yes
Vietnam - NCI	Yes
Russia - ARIPS	Yes
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory and are not exempt from listing (see specific ingredients in brackets)

SECTION 16 Other information

Revision Date	03/04/2025
Initial Date	27/10/2020

SDS Version Summary

Version	Issue Date	Sections Updated
2.1.1.1	27/10/2020	Handling Procedure, Personal Protection (eye), Personal Protection (hands/feet)

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

Definitions and abbreviations

PC—TWA: Permissible Concentration-Time Weighted Average
 PC—STEL: Permissible Concentration-Short Term Exposure Limit
 IARC: International Agency for Research on Cancer
 ACGIH: American Conference of Governmental Industrial Hygienists
 STEL: Short Term Exposure Limit
 TEEL: Temporary Emergency Exposure Limit.
 IDLH: Immediately Dangerous to Life or Health Concentrations
 OSF: Odour Safety Factor
 NOAEL :No Observed Adverse Effect Level
 LOAEL: Lowest Observed Adverse Effect Level
 TLV: Threshold Limit Value
 LOD: Limit Of Detection
 OTV: Odour Threshold Value
 BCF: BioConcentration Factors
 BEI: Biological Exposure Index

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