

# SOPRASUN PLUS 4.5KG MINERAL



WATERPROOFING

APPLICATIONS

ROOFS

TECHNICAL DATA SHEET

ANZ-TDS-04-SOPRASUN PLUS 4.5KG MINERAL

## DESCRIPTION

SOPRASUN PLUS 4.5KG MINERAL is an APP-modified bitumen waterproofing membrane designed for roofing and below grade applications.

SOPRASUN PLUS 4.5KG MINERAL is reinforced with a non-woven polyester combine with fiberglass. The composite reinforcement conveys good mechanical characteristics, excellent dimensional stability, and elastic performance.

SOPRASUN PLUS 4.5KG MINERAL top surface is coated with coloured slate chips and selvedge edge is slate free on one side; bottom surface is covered with a thermofusible plastic film.

Compliance with AS 4654.1

Good mechanical properties

Excellent dimensional stability

Excellent elastic performance

Wide temperature tolerance

## FIELD OF APPLICATION

Suitable as top layer for single-ply or multi-layer waterproofing assemblies, SOPRASUN PLUS 4.5KG MINERAL is used in vertical and horizontal, exposed and protected, waterproofing for the following general applications:

- Rooftops
- Plaza decks
- Balconies
- Retaining Walls

## APPLICATION METHOD

SOPRASUN PLUS 4.5KG MINERAL can be fully heat welded using a propane torch or MINI MACADEN.

## INSTALLATION PROCEDURE

### SUBSTRATE

- No work should be started 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
- Do not install heat welded membranes directly onto combustible substrate
- Concrete substrate must be fully cured before application of the membrane
- Concrete substrate must have a Concrete Surface Profile (CSP) between 3 and 6 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

### PRIMING

- When installed as top layer over base sheet membrane, a primer is not required.
- When installed over concrete or metal surface prime with ANTIROCK PRIMER at the rate specified in TDS



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TDS\_SOPRASUN\_PLUS\_4.5\_KG-MINERAL

1/3

# SOPRASUN PLUS 4.5KG MINERAL



WATERPROOFING

APPLICATIONS

ROOFS

TECHNICAL DATA SHEET

ANZ-TDS-04-SOPRASUN PLUS 4.5KG MINERAL

## INSTALLATION PROCEDURE

### HEAT WELDING

- Unroll membrane sheets onto the roof surface.
- Starting at the low point of the roof, lay out the membrane to ensure the plies are installed perpendicular to the roof slope, shingled to prevent back-water laps.
- Ensure specified side-laps and end-laps are maintained. End-laps should be staggered 1 m apart.
- As the membrane ply is unrolled, apply heat to the underside of the ply until the thermofusible film melts sufficiently for full adhesion to the substrate, and full adhesion between plies.
- For hand-held roof torches, continuously move the torch side-to-side across the underside of the roll to melt the bitumen while continuously unrolling sheet. While unrolling and heating the sheet, ensure approximately 6 to 12 mm of hot bitumen flows ahead of the roll, and there is 3 to 6 mm bleed out at all laps. Ensure all side-laps are fully adhered and sealed watertight.
- Adjust application methods to accommodate varying environmental conditions as necessary to achieve the desired results.
- At the 150 mm end-laps ensure a fully adhered watertight seal. Melt the thermofusible film or embed granules and remove other membrane surfacing, where present, using a torch or hot-air welder.
- 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 SOPREMA REPRESENTATIVE.

### PACKAGING

SPECIFICATIONS	SOPRASUN PLUS 4.5 KG MINERAL
Thickness	3.9 mm
Roll dimensions	10 m × 1 m
Roll weight	45 kg
Rolls per pallet	23

(All values are nominal)

### PROPERTIES

PROPERTIES	TEST METHOD	SOPRASUN PLUS 4.5 KG MINERAL
Abrasion resistance*	AS 1580.403.2	PASS
Bond strength to concrete	ASTM C794	27.4 N/2.5 cm
Cyclic movement	CSIRO Moving joint test (B)	PASS
Dimensional stability	ASTM D5147	MD: -0.10 % ; CD: -0.19%
Elongation at break	AS 4654.1	37 %
Field seam strength	ASTM D1876	1.2 (±162) N/m
Heat ageing	AS 4654.1 (AS 1145.3)	PASS ; no visual change
Ultraviolet resistance*	AS 4654.1 (AS 1145.3)	PASS
Tensile strength	ASTM D5147	740 N/5CM
Durability	AS 4654.1	PASS
Water vapor transmission rate	AS 4654.1	0 perm**

\* Applicable only to self - protected \*\* The results values are below the variation of the equipment. We consider that the sample have no water vapor transmission



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2/3

# SOPRASUN PLUS 4.5KG MINERAL



WATERPROOFING

APPLICATIONS

ROOFS

TECHNICAL DATA SHEET

ANZ-TDS-04-SOPRASUN PLUS 4.5KG MINERAL

## STORAGE AND HANDLING

Rolls must be stored upright, with the selvedge side on top. If stored outdoors, cover them with an opaque protection cover after removal of the delivery packaging.

## 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.



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3/3

# SOPRASUN PLUS 3 / PLUS 3 P



WATERPROOFING

APPLICATIONS

ROOFS

FOUNDATIONS

PLAZA DECKS

TECHNICAL DATA SHEET

ANZ-TDS-03-SOPRASUN PLUS 3/3P

## DESCRIPTION

SOPRASUN PLUS 3 is an APP-modified bitumen waterproofing membrane designed for roofing and below grade applications.

SOPRASUN PLUS 3 is reinforced with a non-woven polyester combine with fiberglass. The composite reinforcement conveys good mechanical characteristics, excellent dimensional stability, and elastic performance.

SOPRASUN PLUS 3 SANDED top surface is coated with anti-adhesive amorphous sand; bottom surface is covered with a thermofusible plastic film.

SOPRASUN PLUS 3 PLAIN top and bottom surface are covered with a thermofusible plastic film.

Compliance with AS 4654.1

Good mechanical properties

Excellent dimensional stability

Excellent elastic performance

Wide temperature tolerance

## FIELD OF APPLICATION

Suitable as a top layer (no UV exposure) and as an under layer in multi-layer waterproofing assemblies, SOPRASUN PLUS 3 is used in vertical and horizontal waterproofing for the following general applications:

- Rooftops
- Plaza decks
- Balconies
- Planter boxes (in conjunction with SOPRAGUM PLUS GARDEN 4)
- Retaining Walls

## APPLICATION METHOD

SOPRASUN PLUS 3 can be fully heat welded using a propane torch, MINI MACADEN machine or mechanically fixed (only when used as under layer in multi-layer roofing assemblies).

## INSTALLATION PROCEDURE

### SUBSTRATE

- No work should be started 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
- Do not install heat welded membranes directly onto combustible substrate
- Concrete substrate must be fully cured before application of the membrane
- Concrete substrate must have a Concrete Surface Profile (CSP) between 3 and 6 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

### PRIMING

- When installed as top layer over base sheet membrane, a primer is not required
- When installed over concrete or metal surface prime with ANTIROCK PRIMER at the rate specified in TDS



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TDS\_SOPRASUN\_PLUS\_3

1/3

# SOPRASUN PLUS 3 / PLUS 3 P



WATERPROOFING

APPLICATIONS

ROOFS

FOUNDATIONS

PLAZA DECKS

TECHNICAL DATA SHEET

ANZ-TDS-03-SOPRASUN PLUS 3/3P

## INSTALLATION PROCEDURE (CONT.)

### HEAT WELDING

- Unroll membrane sheets onto the roof surface
- Starting at the low point of the roof, lay out the membrane to ensure the plies are installed perpendicular to the roof slope, shingled to prevent back-water laps
- Ensure specified side-laps and end-laps are maintained. End-laps should be staggered 1m apart.
- As the membrane ply is unrolled, apply heat to the underside of the ply until the thermofusible film melts sufficiently for full adhesion to the substrate, and full adhesion between plies
- For hand-held roof torches, continuously move the torch side-to-side across the underside of the roll to melt the bitumen while continuously unrolling sheet. While unrolling and heating the sheet, ensure approximately 6 to 12mm of hot bitumen flows ahead of the roll, and there is 3 to 6mm bleed out at all laps. Ensure all side-laps are fully adhered and sealed watertight.
- Adjust application methods to accommodate varying environmental conditions as necessary to achieve the desired results
- At the 150mm end-laps ensure a fully adhered watertight seal. Melt the thermofusible film or embed granules and remove other membrane surfacing, where present, using a torch or hot-air welder.
- 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 SOPREMA REPRESENTATIVE.

### PACKAGING

SPECIFICATIONS	SOPRASUN PLUS 3 SANDED	SOPRASUN PLUS 3 PLAIN
Thickness	3 mm	3 mm
Roll dimensions	10 m × 1 m	10 m × 1 m
Roll weight	36 kg	30 kg
Rolls per pallet	25	25

(All values are nominal)

### PROPERTIES

PROPERTIES	TEST METHOD	SOPRASUN PLUS 3 SANDED	SOPRASUN PLUS 3 PLAIN
Abrasion resistance*	AS 1580.403.2	NPD*	NPD*
Bond strength to concrete	ASTM C794	27.4 N/2.5cm	
Cyclic movement	CSIRO Moving joint test (B)	PASS	
Dimensional stability	ASTM D5147	MD: -0.10 % ; CD: -0.19%	
Elongation at break	AS 4654.1	37 %	
Field seam strength	ASTM D1876	1.2 (±162) N/m	
Heat ageing	AS 4654.1 (AS 1145.3)	PASS ; no visual change	
Ultraviolet resistance*	AS 4654.1 (AS 1145.3)	NPD*	
Heat resistance	(ASTM D4799)	NPD*	
Tensile strength	ASTM D5147	740 N/5CM	
Durability	AS 4654.1	PASS	
Watertightness	EN 1928-B:2000	> 200 kPa	
Water vapor transmission rate	AS 4654.1	0 perm**	

\* Applicable only to self - protected \*\* The results values are below the variation of the equipment. We consider that the sample have no water vapor transmission



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2/3

# SOPRASUN PLUS 3 / PLUS 3 P



WATERPROOFING

APPLICATIONS

ROOFS

FOUNDATIONS

PLAZA DECKS

TECHNICAL DATA SHEET

ANZ-TDS-03-SOPRASUN PLUS 3/3P

## STORAGE AND HANDLING

Rolls must be stored upright, with the selvedge side on top. If stored outdoors, cover them with an opaque protection cover after removal of the delivery packaging.

## 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.



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3/3

# ANTIROCK PRIMER



ACCESSORY PRODUCTS

APPLICATIONS

ROOFS

FOUNDATIONS

CIVIL WORKS

TECHNICAL DATA SHEET

ANZ-TDS-11-ANTIROCK PRIMER

## DESCRIPTION

ANTIROCK PRIMER is a blend of SBS modified bitumen, fast-evaporating solvents and adhesive enhancing additives.

ANTIROCK PRIMER is used to prime concrete and metal surfaces to improve the adhesion of SOPREMA bituminous torch-on membranes.

## INSTALLATION PROCEDURE

- ANTIROCK PRIMER can be applied with a brush or roller on clean, dry substrates free of any residue that may hinder adherence. Shake well before using.
- It must be thoroughly dry before applying the waterproofing membrane. Drying time will vary depending on air and surface temperature and humidity.

**WARNING:** Do not accelerate drying of ANTIROCK PRIMER by heating with a torch.

## CLEANING

- Tools can be cleaned with petroleum solvents such as mineral spirits, varsol, xylene, etc.

## RESTRICTION

- ANTIROCK PRIMER is a highly flammable product.
- Store away from direct sunlight and open flame. Keep ignition sources away during application and until solvent has evaporated. Harmful if inhaled, swallowed or when in contact with the skin. In closed areas, ventilate carefully using mechanical means if necessary.
- Do not pour residues in drains.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE

## PACKAGING

SPECIFICATIONS	ANTIROCK PRIMER
Physical state	Liquid
Colour	Brown
Coverage	0.15 to 0.25 l/m <sup>2</sup>
Packaging	19 l
Pails per pallet	36



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TDS\_ANTIROCKL\_PRIMER\_11-2020

1/2

# ANTIROCK PRIMER



ACCESSORY  
PRODUCTS

APPLICATIONS

ROOFS

FOUNDATIONS

CIVIL WORKS

TECHNICAL DATA SHEET

ANZ-TDS-11-ANTIROCK PRIMER

## PROPERTIES

PROPERTIES	ANTIROCK PRIMER
Specific gravity at 20°C	0.91 kg/l
Solids by weight	35 %
Brookfield Viscosity, 25 °C	50 cP
Flash point, ASTM D93	-3 °C
Drying time on smooth surfaces *	Minimum 1 hour

(All values are nominal)

\* In all cases, drying time must allow complete evaporation of solvents.

## STORAGE AND HANDLING

Shelf life: Up to 5 years in original sealed containers, in cool and ventilated area.

## STATEMENT OF RESPONSIBILITY

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Note: Field service where provided, does not constitute supervisory responsibility. Suggestions made by Soprema Australia Pty Ltd either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they are responsible for carrying out procedures appropriate to a specific application.



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2/2



# ALSAN FLASHING

TECHNICAL DATA SHEET



ANZ-TDS-14-ALSAN FLASHING



WATERPROOFING

APPLICATIONS

ROOFS

FOUNDATIONS

ADDITIONAL EXPERTISE

## DESCRIPTION

ALSAN FLASHING is a waterproofing one-component polyurethane / bitumen resin. It is dedicated to roof flashings and details where it is difficult to apply waterproofing membranes.

ALSAN FLASHING is ready to use.

## FIELD OF APPLICATION

- General roofing
- Plaza decks & Terraces
- Balconies
- Foundations

## INSTALLATION PROCEDURE

### SURFACE PREPARATION:

- Concrete must be fully cured (28 days) with a minimum hardness of 24 MPa (3500 psi). Surface needs to be sound, clean and free of dust or debris
- Concrete surface must be prepared to obtain concrete surface profile (ICRI CSP) of 3 or 4. To obtain such a profile, the use of special equipment such as shot blasting is recommended
- Without primer: traditional granulated and sanded bituminous waterproofing membranes, wood, metal, prepaint metal, concrete, polyurethane membrane (TRAFIK HP) and PVC pipe (vertical partition wall only)
- With primer (ELASTOCOL STICK): membranes with HDPE surface
- PVC pipe must be sanded with sandpaper
- All metal surfaces must be cleaned with non-greasy solvent such as acetone or Methyl Ethyl Ketone (MEK). Metals surfaces must be smooth, clean and uncontaminated (free of oxydized bitumen)
- When needed, concrete reparation must be done with appropriate products

### APPLICATION:

- Mix well the product before use,
- ALSAN FLASHING is applied with a with a trowel, a brush or a roller in two (2) layers, or in three (3) layers when POLYFLEECE is required. Each layer must have a minimum wet film thickness of 0.8mm (30 mil), the third layer is required when granules are used.
- Transitions, changes in plan and junctions between two supports, must be reinforced with POLYFLEECE. POLYFLEECE is installed in a first layer of ALSAN FLASHING. This layer must be thick enough to completely immerse the reinforcement. POLYFLEECE will be immediately covered with a second layer of ALSAN FLASHING until saturation
- Third coat will be apply waiting 3h or when the second coat is tacky free
- ALSAN FLASHING is UV resistant. It can be left exposed without protection. For aesthetic purposes, the top coat can also be covered with roofing granules
- Do not use if rain or snow is predicted within 12 hours after the installation

For proper curing, minimum application temperature is 5°C.

Service temperature: -30 to 150°C.

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

Compliance with AS 4654.1

One component, no mixing required

Superior protection against moisture

Conforms easily to any irregular shapes

Great for quick, cost effective repairs



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TDS\_ALSAN\_FLASHING\_08-2024

# ALSAN FLASHING



WATERPROOFING

APPLICATIONS

ROOFS

FOUNDATIONS

ADDITIONAL EXPERTISE

TECHNICAL DATA SHEET

ANZ-TDS-14-ALSAN FLASHING

## PACKAGING

PACKAGING	Coverage	Wet film thickness	Dry film thickness
ALSAN FLASHING 3.78 L	4.6 m <sup>2</sup>	0.8 mm	0.6 mm
ALSAN FLASHING 19 L	23 m <sup>2</sup>		

## PROPERTIES

PROPERTIES	TEST METHOD	ALSAN FLASHING REINFORCED*
Physical state	-	Brown viscous liquid
Density at 25 °C	-	1.07 kg/L
Solids content	-	80 %
Softening point	-	150 °C
Ultimate elongation	ASTM D412	500 %
Breaking strength	ASTM D412	1.35 MPa
Peel resistance	ASTM D903	102.3 N
Tear resistance	ASTM D 5147, sec.7	253.5 N
Water vapour permeance	ASTM E96 (Procedure B)	< 30 ng/Pa·s·m <sup>2</sup> (< 0.47 perm)
Peel adhesion after water immersion	ASTM C836	792 N/m
Drying time	-	Ready to recoat after 2 hours Dry: 12 hours (remains tacky to touch)
Fully cured*	-	3 days
Abrasion resistance*	AS 1580.403.2	Pass
Bond Strength* (on granulated membranes)	ASTM D903	> 1000 N/m
Cyclic Movement*	CSIRO Moving Joint Test	Pass
Elongation at Break*	AS1145	> 200%
Heat Aging*	Appendix A4- AS4654	Pass
Temperature Resistance*	AS 4654.2	Pass
Tensile Strength at max load*	Appendix A4-AS 4654	> 6.5 kN/m
UV resistance / Durability*	Appendix A4- AS 4654	Pass

\* with Polyfleece

## STORAGE AND HANDLING

Shelf life: 12 months, pot must be stored in the delivery packaging, in a dry and protected environment.

## STATEMENT OF RESPONSIBILITY

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TDS\_ALSAN\_FLASHING\_08-2024

2/2

# ALSAN VOILE FLASHING

TECHNICAL DATA SHEET

ANZ-TDS-132-ALSAN VOILE FLASHING



ACCESSORY  
PRODUCTS

APPLICATIONS

ROOFS

FOUNDATIONS

GREEN ROOFS

## DESCRIPTION

ALSAN VOILE FLASHING is used as reinforcement and ensures that a minimum layer thickness of the ALSAN FLASHING JARDIN waterproofing resin must be applied.

## APPLICATION

- Apply the ALSAN VOILE FLASHING on top of the first layer of wet resin in place, then install the last second layer of the resin directly on top.
- The ALSAN VOILE FLASHING overlap must be at least 50 mm. Resin must be applied between the overlaps.

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



## PACKAGING & PROPERTIES

SPECIFICATIONS	TEST METHOD	ALSAN VOILE FLASHING
Density	-	110 g/m <sup>2</sup>
Thickness	-	0,37 mm
Colour	-	White
Width	-	100 / 150 / 200 / 260 / 350mm
Length	-	50 m

## STORAGE AND HANDLING

Store in a dry place protected from moisture and pollution.

## STATEMENT OF RESPONSIBILITY

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TDS\_ALSAN\_VOILE\_FLASHING\_2024\_RA

1/1



ACCESSORY  
PRODUCTS

APPLICATIONS

WALLS

ROOFS

# SOPRASEAL SEALANT S37S

TECHNICAL DATA SHEET

ANZ-TDS-110-SOPRASEAL SEALANT S37S

## DESCRIPTION

SOPRASEAL SEALANT S37S is a low VOC, solvent-free, polyether adhesive-sealant. This fast-setting, moisture curing product is designed to be applied on most substrate without the need of primer.

SOPRASEAL SEALANT S37S provide strong and elastic bonds on most of construction materials as well as all SOPRASEAL membranes. SOPRASEAL SEALANT S37S can be applied at temperatures range from 10°C to 40°C with a pneumatic cartridge (no special tools or mixers required).

SOPRASEAL SEALANT S37S will not shrink upon curing or discolor when left exposed to UV. SOPRASEAL SEALANT S37S is fast setting and after 7 days is fully cured.

Solvent free

No primer required

Compatible with most substrates

## INSTALLATION PROCEDURE

### APPLICATION:

- SOPRASEAL SEALANT S37S must be applied to clean, sound substrates
- SOPRASEAL SEALANT S37S tubes can be used with a standard cartridge extruder as an accessory sealant to all SOPRASEAL membranes.

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

## PACKAGING

SPECIFICATIONS	SOPRASEAL SEALANT S37S
Physical state	Viscous
Colour	Gray or White
Container	600 mL
Units per Pallet	1200

## PROPERTIES

PROPERTIES	SOPRASEAL SEALANT S37S
Surface drying time	15-40min
Hardness Shore A	≥ 40
Tension strength	≥ 2.0 MPa
Shear strength	≥ 1.5 MPa
Elongation at break	≥ 400%
Curing speed	4.0 mm/d

## STORAGE AND HANDLING

Store unopened containers in a cool, dry area. Protect from water, heat and direct sunlight. Extreme temperatures will reduce shelf life. Temperature should be 10-25°C. Shelf life: 9 month

## 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.



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TDS\_SOPRASEAL\_SEALANT\_S37S\_10-2023\_V2\_RA

1/1



ACCESSORY PRODUCTS

APPLICATIONS

ROOFS

# SOPRASOLAR FIX EVO TILT (BITUMEN)

TECHNICAL DATA SHEET

ANZ-TDS-72.1-SOPRASOLAR FIX EVO TILT

## DESCRIPTION

The SOPRASOLAR FIX EVO TILT system is a solar waterproofing solution for flat roofs. It is used as a support for photovoltaic panels, allowing the connection between the panels and the cap sheet membrane without drilling into it and compromising the waterproofing properties of the roof.

## APPLICATION METHOD

SOPRASOLAR FIX EVO TILT is installed in total adhesion, heat welded on horizontal surfaces of SBS and APP membranes.

## INSTALLATION PROCEDURE

### SUBSTRATE

- No work should be started until all surfaces are smooth, dry, and free of ice, snow or any other substance that may prevent the membrane from adhering properly.
- Commencement of installation shall be taken as acceptance of the substrate by the Applicator

### INSTALLATION

- Install the cap sheet membrane on the roof.
- Mark the location of the SOPRASOLAR FIX EVO PEDESTAL on the cap sheet membrane according to the pattern supplied by the contractor in charge of the photovoltaic panels.
- Embed the granules in the area where the pedestal will be installed.
- Heat the plastic film on the underside of the pedestal using a propane torch.
- Heat the designated area on the field membrane using a propane torch.
- Heat the underside of the pedestal again.
- Immediately install the pedestal onto the marked area.

High puncture resistance

Installed without roof drilling

Fast installation

No thermal bridging

## PACKAGING

### SOPRASOLAR FIX EVO TILT COMPONENTS

The SOPRASOLAR FIX EVO PEDESTAL is a factory assembled height-adjustable pedestal mechanically fastened to a piece of waterproofing membrane.

The LOWER RAISER and the UPPER RAISER allow the addition of a 10% slope to photovoltaic panels.

The RAISER BLOCKER ensures that the raiser blocks stay in place on the pedestals.

The UNIVERSAL CLAMP ensures the blockage of the panels and secure the PV panel on the pedestals.

### MATERIAL

Polyamide 6 with 30% fibre-glass filler

6060 T6 primary aluminum

6060 T6 primary aluminum

6060 T6 primary aluminum

### DIMENSIONS

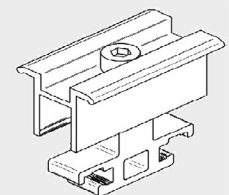
**PEDESTAL**  
300 mm × 300 mm × 120 mm to 160 mm

**LOWER RAISER**  
40 mm × 120 mm × 45 mm

**UPPER RAISER**  
40 mm × 120 mm × 200 mm

**RAISER BLOCKER**  
50 mm × 125 mm × 25 mm

**UNIVERSAL CLAMP**  
60 mm × 32 mm to 46 mm



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NOTE : All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.



ACCESSORY PRODUCTS

APPLICATIONS

ROOFS

# SOPRASOLAR FIX EVO TILT (BITUMEN)

TECHNICAL DATA SHEET

ANZ-TDS-72.1-SOPRASOLAR FIX EVO TILT

## PACKAGING

SPECIFICATIONS	SOPRASOLAR FIX EVO TILT
Total weight	1.3 kg
Surface	Granules
Underface	Thermofusible plastic film
Membrane thickness	4.7 mm

## PROPERTIES

PROPERTIES	STANDARDS	SOPRASOLAR FIX EVO TILT
Reinforcement	-	Non-woven polyester
Tensile Strength (initial)	EN 12311	Pedestal base : 6,98 kN Head and rail : 7,14 kN
Tensile Strength after UV exposure (EN 16472)	EN 12311	Pedestal base : 7,17 kN Head and rail : 7,10 kN
Resistance to seismic loads (Conditions for Tofino, B.C.)	ICC-ES AC156	Pass

## STORAGE AND HANDLING

The elements of the system must be stored protected. If the products are stored outdoors, cover them with an opaque protection cover after removal of the delivery packaging.

## STATEMENT OF RESPONSIBILITY

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NOTE : ALL products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

TDS\_SOPRASOLAR\_FIX\_EVO\_TILT\_AR\_01\_2024



ACCESSORY  
PRODUCTS

APPLICATIONS

ROOFS

# DRAINI BTM

TECHNICAL DATA SHEET

ANZ-TDS-82-2-DRAINI BTM

## DESCRIPTION

The rainwater outlets DRAINI BTM are composed of a flexible flange made out of elastomer bitumen reinforced with a non woven polyester and an aluminium outlet pipe. The two components are assembled by a patented seam method.

The DRAINI BTM is used as a rainwater outlet on roofs with bituminous waterproofing membranes. The flange is compatible with bituminous membranes (polymer, plastomer and elastomer) in the Soprema range.

## APPLICATION

### ON MASONRY

- Insert the DRAINI BTM in the drain pipe after applying the first layer of the waterproofing system.
- Weld the flange onto the first waterproofing layer.
- Afterwards apply the second waterproofing layer whilst completely covering the flange.
- Let the waterproofing membrane cool down for a few minutes and carefully cut out the hole of the outlet pipe.
- Consult the local guidelines concerning the placement and dimensioning of water evacuation.

### ON STEEL OR WOOD DECK

- Insert the DRAINI BTM in the drain pipe BEFORE applying the first layer of the waterproofing system.
- The flange of DRAINI BTM is mechanically fastened by using 4 fasteners and plates
- Cover the fasteners with a 15 cm x 15 cm waterproofing membrane.
- apply the first and second layer of the waterproofing system weld onto the flange.
- Let the waterproofing membrane cool down for a few minutes and carefully cut out the hole of the outlet pipe.
- Consult the local guidelines concerning the placement and dimensioning of water evacuation.

ALWAYS CONSULT THE LOCAL REGULATIONS (LOCATION, SIZING, ...)  
FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

## PACKAGING

SPECIFICATIONS	DRAINI BTM	
	FLANGE	OUTLET PIPE
Material	SBS elastomeric bituminous membrane	aluminium
Reinforcement	250 g/m <sup>2</sup> non-woven polyester	-
Finish upper/lower side	thermofusible film	-
Thickness	2,50 mm ±5 %	-

## VISUAL



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TDS\_DRAINI\_BT\_M\_11-2022\_RA

1/3



ACCESSORY  
PRODUCTS

APPLICATIONS

ROOFS

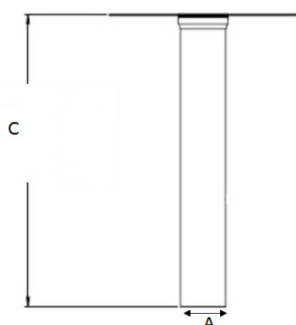
# DRAINI BTM

TECHNICAL DATA SHEET

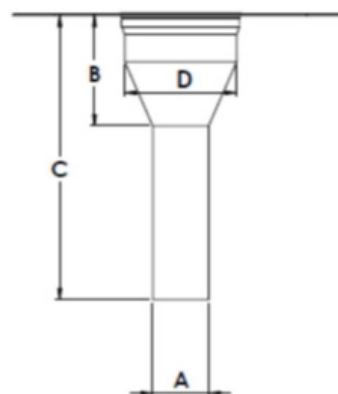
ANZ-TDS-82-2-DRAINI BTM

## PROPERTIES

DRAINI DROITE BTM			DRAINI TRONCO BTM		
Dimensions flange	Diameter outlet pipe (A)	Length outlet pipe (C)	Dimensions flange	Diameter outlet pipe (A / D)	Length outlet pipe (B / C)
320 mm x 320 mm	50 mm	600 mm	-	-	-
320 mm x 320 mm	75 mm		480 mm x 480 mm	80 mm / 160 mm	165 mm / 425 mm
390 mm x 390 mm	85 mm		480 mm x 480 mm	95 mm / 190 mm	185 mm / 445 mm
390 mm x 390 mm	95 mm		550 mm x 550 mm	120 mm / 240 mm	225 mm / 485 mm
480 mm x 480 mm	100 mm		550 mm x 550 mm	145 mm / 290 mm	260 mm / 520 mm
480 mm x 480 mm	120 mm		650 mm x 650 mm	195 mm / 390 mm	335 mm / 595 mm
480 mm x 480 mm	155 mm		-	-	-
480 mm x 480 mm	195 mm		-	-	-



DRAINI DROITE BTM  
with straight outlet pipe



DRAINI TRONCO BTM  
with conical outlet pipe





ACCESSORY  
PRODUCTS

APPLICATIONS

ROOFS

# DRAINI BTM

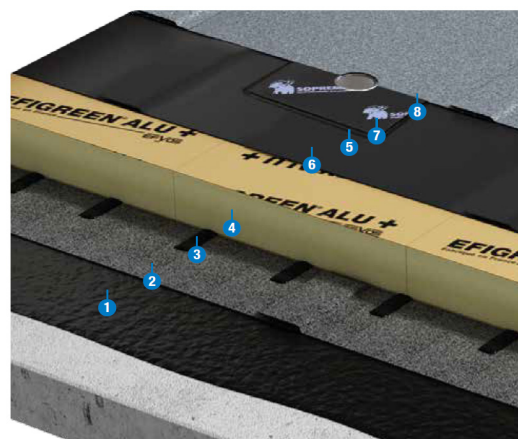
TECHNICAL DATA SHEET

ANZ-TDS-82-2-DRAINI BTM

Example of installation on a load-bearing masonry structure with SOPREMA double-layer elastomeric self-protecting SBS waterproofing

membrane.

- 1- Primer
- 2- Vapour barrier
- 3- Soprema Adhesive
- 4- Sopra-iso insulation
- 5- Area cut out of insulation
- 6- 1st layer of SOPREMA waterproofing membrane
- 7- The Draini® BTM Alu flange is welded onto the first waterproofing layer.
- 8- 2nd layer of SOPREMA waterproofing membrane



## INSTALATION

1- Insert the Draini® stormwater un-off into the drain pipe after applying the 1st layer of the waterproofing system.



2- Fold the flange over.



3- Weld the flange onto the 1st waterproofing layer.



4- Use the gauging trowel to consolidate the weld seams of the flange with the 1st waterproofing layer.



5- Apply the second waterproofing layer by thermo-welding whilst completely covering the Draini® gutter outlet.



6- Allow the waterproofing layer to cool down for a few minutes and then carefully cut out the hole for the stormwater run-off using the gauging trowel.



## STORAGE AND HANDLING

DRAINI BTM rainwater outlets must be stored on a flat surface, protected against atmospheric conditions.

When exposed, the aluminium pipe can show white traces of corrosion, which however do not affect the functioning.

## STATEMENT OF RESPONSIBILITY

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3/3



ACCESSORY  
PRODUCTS

APPLICATIONS

ROOFS

# SOPRA TPE WALL OUTLET 45

TECHNICAL DATA SHEET

ANZ-TDS-94-SOPRA TPE WALL OUTLET 45

## DESCRIPTION

SOPRA TPE WALL OUTLET 45 is designed to connect the SOPREMA bituminous waterproofing membranes to the rainwater drains positioned close to parapet walls.

SOPRA TPE WALL OUTLET 45 they can be positioned both horizontally or vertically.

The special 45° shape of the flange is suitable for screeds with an angle fillet rather than a 90° corner.

The wide ribbed flange ensures perfect adhesion with the SOPREMA bituminous waterproofing membranes and the 427 mm long spigot, you can pass through walls as thick as 40 cm.

SOPRA TPE WALL OUTLET 45 provides excellent resistance to deterioration caused by the sun, ozone and other weather agents or chemicals normally found in the atmosphere.

The elasticity of the material allows for excellent flexibility even at low temperatures, which ensures mechanical and physical properties are maintained over time.

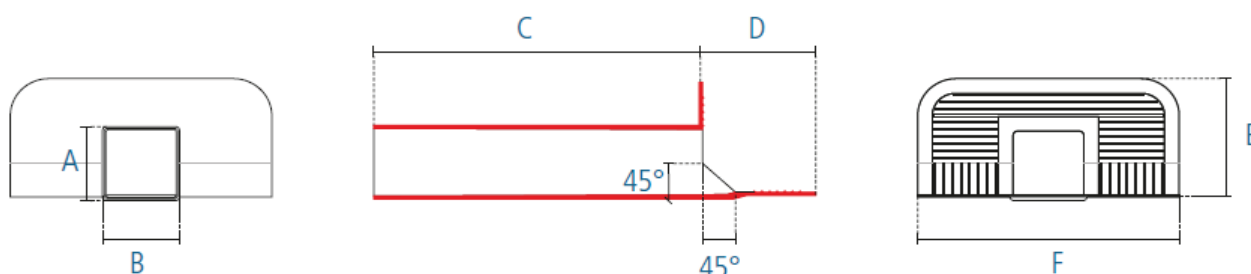
## APPLICATION

- SOPRA TPE WALL OUTLET 45 is installed between two layers of SOPREMA bitumen membranes for long term performance of the system. To improve adhesion, a thin coat of primer can be applied on SOPRA TPE WALL OUTLET 45 beforehand.

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

## PROPERTIES

SPECIFICATIONS	SOPRA TPE WALL OUTLET 45						
	A	B	C	D	E	F	PCS PER BOX
SOPRA TPE WALL OUTLET45 65x100/45	65 mm	100 mm	427 mm	140 mm	150 mm	310 mm	10
SOPRA TPE WALL OUTLET45 100x100/45	100 mm	100 mm	427 mm	140 mm	150 mm	310 mm	10



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ACCESSORY  
PRODUCTS

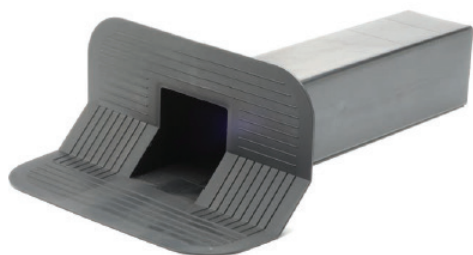
APPLICATIONS

ROOFS

# SOPRA TPE WALL OUTLET 45

TECHNICAL DATA SHEET

ANZ-TDS-94-SOPRA TPE WALL OUTLET45



## STORAGE AND HANDLING

If the products are stored outdoors, cover them with an opaque protection cover after removal of the delivery packaging.

## STATEMENT OF RESPONSIBILITY

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2/2



ACCESSORY  
PRODUCTS

APPLICATIONS

ROOFS

# SOPRA TPE DRAIN CONNECTOR

TECHNICAL DATA SHEET

ANZ-TDS-95-SOPRA TPE DRAIN CONNECTOR

## DESCRIPTION

**SOPRA TPE DRAIN CONNECTOR** is used to connect SOPREMA bituminous waterproofing membranes to rainwater drains.

The slightly conical shape of the spigot allows for fast and simple installation in rainwater drain pipes.

The perforated flange allows the melted bitumen to flow from the SOPREMA cap sheet to base sheet to improve the system adhesion, while the two rings on the spigot ensure that **SOPRA TPE DRAIN CONNECTOR** is watertight and does not overflow if any water comes back up the rainwater drain pipe.

The elastic material **SOPRA TPE DRAIN CONNECTOR** is made with ensures long-term watertightness. The top part of the spigot has a series of serrations that ensure the leaf-guard or gravel-guard is firmly attached to the drain connector.

**SOPRA TPE DRAIN CONNECTOR** provides excellent resistance to deterioration caused by the sun, ozone and other weather agents or chemicals normally found in the atmosphere.

The elasticity of the material allows for excellent flexibility even at low temperatures, which ensures mechanical and physical properties are maintained over time.

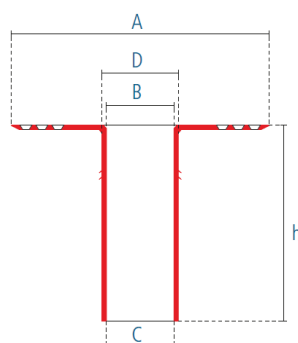
## APPLICATION

- **SOPRA TPE DRAIN CONNECTOR** is installed between two layer of SOPREMA bitumen membranes for long term performance of the system. To improve adhesion, a thin coat of primer can be applied on **SOPRA TPE DRAIN CONNECTOR** beforehand.

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

## PROPERTIES

SPECIFICATIONS	SOPRA TPE DRAIN CONNECTOR						
	Ø	A	B	C	D	H	PCS PER BOX
SOPRA TPE DRAIN CONNECTOR	40 mm	235 mm	26 mm	24 mm	33 mm	243 mm	25
	60 mm	235 mm	48 mm	43 mm	53 mm	243 mm	25
	80 mm	320 mm	69 mm	64 mm	74 mm	243 mm	25
	100 mm	320 mm	89 mm	84 mm	94 mm	243 mm	25
	125 mm	320 mm	114 mm	109 mm	119 mm	243 mm	18
	140 mm	380 mm	127 mm	122 mm	132 mm	243 mm	10
	160 mm	380 mm	146 mm	141 mm	151 mm	243 mm	10
	200 mm	440 mm	185 mm	180 mm	190 mm	243 mm	8



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ACCESSORY  
PRODUCTS

APPLICATIONS

ROOFS

# SOPRA TPE DRAIN CONNECTOR

TECHNICAL DATA SHEET

ANZ-TDS-95-SOPRA TPE DRAIN CONNECTOR

## VISUAL



## STORAGE AND HANDLING

If the products are stored outdoors, cover them with an opaque protection cover after removal of the delivery packaging.

## STATEMENT OF RESPONSIBILITY

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2/2



ACCESSORY  
PRODUCTS

APPLICATIONS

ROOFS

FOUNDATIONS

CIVIL WORKS

# SOPRA TPE PIPE COLLAR

TECHNICAL DATA SHEET

ANZ-TDS-126-SOPRA TPE PIPE COLLAR

## DESCRIPTION

SOPRA TPE PIPE COLLAR is used on roofing or underground waterproofing system assembled with SOPREMA bituminous membranes to give continuity to the waterproofing around elements that come out from the roof or foundations.

SOPRA TPE PIPE COLLAR have slightly conical shape of the shank makes it easier to install through tubes and the perforated flange favours adhesion with bituminous sheaths.

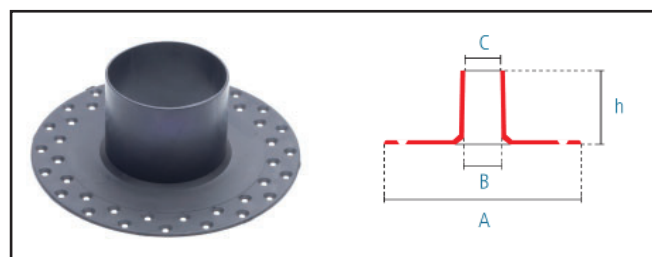
## APPLICATION

- SOPRA TPE PIPE COLLAR are adhered onto a melted bitumen with torch or hot air all along the flange perimeter on the bitumen membranes.
- Installe a 400mm by 400mm patch of bitumen membrane or the capsheet fully torch over the flange with an opening for the pipe.
- Tighten the upper end of SOPRA TPE PIPE COLLAR with a stainless steel clamp.
- SOPRA TPE PIPE COLLAR is compatible with all the accessories and membrane in the SOPREMA bitumen range.

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

## PACKAGING

SPECIFICATIONS	SOPRA TPE PIPE COLLAR
Appearance	Black
Packaging	25 units per box



## PROPERTIES

PROPERTIES	SOPRA TPE PIPE COLLAR										
		C10	C12	C30	C40	C60	C80	C100	C120	C140	C160
Width at flange	A	154 mm	154 mm	154 mm	154 mm	194 mm	194 mm	234 mm	234 mm	274 mm	274 mm
Internal diameter at bottom	B	11 mm	14 mm	32 mm	42 mm	62 mm	82 mm	102 mm	122 mm	142 mm	162 mm
Internal diameter at top	C	10 mm	12 mm	30 mm	40 mm	60 mm	80 mm	100 mm	120 mm	140 mm	160 mm
Height	h	60 mm	60 mm	60 mm	60 mm	60 mm	60 mm	90 mm	90 mm	90 mm	90 mm

## STATEMENT OF RESPONSIBILITY

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1/1