

FLAGON

SFc



WATERPROOFING

APPLICATIONS

ROOFS

GREEN ROOFS

PLANTER BOXES

TECHNICAL DATA SHEET

ANZ-TDS-32-FLAGON SFc

DESCRIPTION

FLAGON SFc is a synthetic PVC-P membrane obtained by cast process, dimensionally stabilized by a 50 g/m² glass fibre reinforcement and coupled to 200 g/m² non-woven polyester felt support.

FLAGON SFc is a fully bonded system design for roofing applications. It is resistant to ultraviolet rays, to puncturing, to weathering and to roots growth.

Flagon PVC membranes are naturally fire resistant, they self-extinguish and resist the spread of flame.

FIELD OF APPLICATION

Designed for single-ply application on horizontal surfaces, FLAGON SFc can be fully adhered on insulation panels, concrete ceilings or existing waterproofing covering for the following general applications:

- General roofing
- Green roofs
- Planter boxes
- Plaza decks
- Balconies

APPLICATION METHOD

FLAGON SFc is glued to horizontal surfaces using FLEXOCOL A89 adhesive. The overlaps are heat welded using a leister automatic welder or a hot air gun.

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
- 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 FLEXOCOL A89 is required before the installation of FLAGON SFc membrane. The adhesive can be spread and levelled using a brush, squeegee or another similar tool.

INSTALLATION

- Unroll membrane sheets onto the roof surface primed with FLEXOCOL A89
- Ensure specified side-laps and end-laps are maintained. End-laps should be staggered 1m 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 FLAGON SV membrane using FLEXOCOL V adhesive
- Laying of FLAGON SV strips to be positioned at the head of the rolls of FLAGON SFc membrane; the strips should be welded in order to join the heads of the rolls of FLAGON SFc
- All penetrations und upturn details should be waterproof as per SOPREMA Installation Guides and detail drawings

Compliance with AS 4654.1

Service life in excess of 35 years

Cold applied, flameless solution

Self-extinguish

Highly resistant to weathering and UV rays

High solar reflection index (SRI)*



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FLAGON

SFc



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TECHNICAL DATA SHEET

ANZ-TDS-32-FLAGON SFc

PACKAGING

SPECIFICATIONS	FLAGON SFc		
Thickness	1.5 mm	2 mm	2.4 mm
Roll dimensions	20 m x 1.65 m	20 m x 1.65 m	20 m x 1.65 m
Roll weight	66 kg	86 kg	102 kg
Rolls per pallet	16	12	12

PROPERTIES

PROPERTIES	STANDARDS	FLAGON SFc		
		1.5 mm	2 mm	2.4 mm
Tensile strength (N/5cm)	EN 12311-2	≥ 700	≥ 900	≥ 1100
Elongation to break (%)	EN 12311-2	≥ 80	≥ 80	≥ 80
Tear resistance (N)	EN 12310-2	≥ 170	≥ 200	≥ 220
Resistance to impact (mm)	EN 12691	≥ 800	≥ 1250	≥ 1500
Cold bending (°C)	EN 495-5	≤ - 25	≤ - 25	≤ - 25
Hydrostatic pressure resistance (6 hours at 0,5 Mpa)	EN 1928 met. B	waterproof	waterproof	waterproof
Dimensional stability after 6 hours at 80°C (%)	EN 1107-2	≤ 0.1	≤ 0.1	≤ 0.1
Resistance to artificial weathering (UV)	EN 1297	no surface cracking	no surface cracking	no surface cracking
Resistance to roots penetration	EN 13948	no penetration	no penetration	no penetration
Resistance to static punching (kg)	EN 12730	≥ 20	≥ 20	≥ 20
Fire resistance	EN ISO 11925-1 / EN 13501-1	E	E	E

SRI

SPECIFICATIONS	STANDARD	FLAGON SFc ENERGY PLUS*
Solar reflection index (SRI)	ASTM E 1980	97

STATEMENT OF RESPONSIBILITY

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FLAGON S

TECHNICAL DATA SHEET



BRANZ Appraised
Appraisal No.1193 [2022]

ANZ-TDS-123-FLAGON S



WATERPROOFING

APPLICATIONS

ROOFS

GREEN ROOFS

PLANTER BOXES

DESCRIPTION

FLAGON S is a synthetic PVC-P membrane obtained by co-extrusion.

FLAGON S is designed for roofing applications. It is resistant to ultraviolet rays, to puncturing, to weathering and to roots growth.

Flagon PVC membranes are naturally fire resistant, they self-extinguish and resist the spread of flame.

FIELD OF APPLICATION

Designed for detailing on single-ply application on horizontal surfaces and vertical finishing,

FLAGON S is used for the following general applications;

- General roofing
- Green roofs
- Planter boxes

APPLICATION METHOD

FLAGON S is installed loose laid with a separation layer on ballasted horizontal surfaces and glued with FLEXOCOL V on vertical surfaces.

The overlaps are heat welded using a leister automatic welder or a hot air gun.

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
- 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 FLEXOCOL V is required before the installation of FLAGON S membrane at the vertical

INSTALLATION

- Upstands are waterproofed with FLAGON S membrane using FLEXOCOL V adhesive
- All penetrations and upturn details should be waterproof as per SOPREMA Installation Guides and detail drawings

PACKAGING

SPECIFICATIONS	FLAGON S
Thickness	1.5 mm
Roll dimensions	20 m x 1.05 m
Roll weight	41 kg
Rolls per pallet	46



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FLAGON S



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TECHNICAL DATA SHEET

ANZ-TDS-123-FLAGON S

PROPERTIES

PROPERTIES	STANDARDS	FLAGON S
		1.5 mm
Weight (kg/m ²)	EN 1849-2	1.95
Tensile strength (N/mm ²)	EN 12311-2 met.B	≥ 15,0
Elongation to break (%)	EN 12311-2 met.B	≥ 300
Tear resistance (N)	EN 12310-2	≥ 80
Resistance to impact (mm)	EN 12691 met.A	≥ 800
Cold bending (°C)	EN 495-5	≤ - 30
Hydrostatic pressure resistance (6 hours at 0,5 Mpa)	EN 1928 met. B	waterproof
Resistance to artificial weathering (UV)	EN 1297	no surface cracking
Resistance to static punching (kg)	EN 12730	≥ 20
Fire resistance	EN ISO 11925-1 EN 13501-1	E

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FLAGON SR COPPER ART



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PLANTER BOXES

TECHNICAL DATA SHEET

ANZ-TDS-34-3-FLAGON SR COPPER ART

DESCRIPTION

FLAGON SR COPPER ART is a synthetic PVC-P membrane obtained by cast process with a polyester reinforcement mesh and a signal layer on the surface.

FLAGON SR COPPER ART is design for roofing applications. It is resistant to ultraviolet rays, to puncturing, to weathering and to roots growth.

Flagon PVC membranes are naturally fire resistant, they self-extinguish and resist the spread of flame.

FIELD OF APPLICATION

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

- General roofing
- Green roofs
- Plaza decks
- Balconies

APPLICATION METHOD

On the main surface, FLAGON SR COPPER ART is semi-loose laid by mechanical fastening, and always laid to run a few centimetres on the parapet.

FLAGON SR COPPER ART membrane is fastened around the perimeter of the roof and around any protruding features with FLAGORAIL bars or adapted screws and plates.

At the top of the upstands, FLAGON SR COPPER ART is heat welded on FLAGMETAL 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 FLEXOCOL V is required before the installation of FLAGON SR COPPER ART 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 FLAGON SR COPPER ART membrane using FLEXOCOL V adhesive for upstands and mechanical fixed.

Compliance with AS 4654.1

Service life in excess of 35 years

Cold applied, flameless solution

Resistant to wind stress

High resistant to weathering & UV rays

Self-extinguish



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FLAGON SR COPPER ART



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ANZ-TDS-34-3-FLAGON SR COPPER ART

INSTALLATION (CONT.)

- Laying of FLAGON SR COPPER ART strips to be positioned at the head of the rolls of FLAGON SR COPPER ART membrane; the strips should be welded in order to join the heads of the rolls of FLAGON SR COPPER ART.
- 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	FLAGON SR COPPER ART
Thickness	1.8 mm
Roll dimensions	20 m x 1.65 m
Roll weight	59 kg
Rolls per pallet	12

PROPERTIES

PROPERTIES	STANDARDS	FLAGON SR COPPER ART
		1.8 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

STATEMENT OF RESPONSIBILITY

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FLAGON SR SILVER ART



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TECHNICAL DATA SHEET

ANZ-TDS-34-2-FLAGON SR SILVER ART

DESCRIPTION

FLAGON SR SILVER ART is a synthetic PVC-P membrane obtained by cast process with a polyester reinforcement mesh and a signal layer on the surface.

FLAGON SR SILVER ART is design for roofing applications. It is resistant to ultraviolet rays, to puncturing, to weathering and to roots growth.

Flagon PVC membranes are naturally fire resistant, they self-extinguish and resist the spread of flame.

FIELD OF APPLICATION

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

- General roofing
- Green roofs
- Plaza decks
- Balconies

APPLICATION METHOD

On the main surface, FLAGON SR SILVER ART is semi-loose laid by mechanical fastening, and always laid to run a few centimetres on the parapet.

FLAGON SR SILVER ART membrane is fastened around the perimeter of the roof and around any protruding features with FLAGORAIL bars or adapted screws and plates.

At the top of the upstands, FLAGON SR SILVER ART is heat welded on FLAGOMETAL 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 FLEXOCOL V is required before the installation of FLAGON SR SILVER ART 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 FLAGON SR SILVER ART membrane using FLEXOCOL V adhesive for upstands and mechanical fixed.

Compliance with AS 4654.1

Service life in excess of 35 years

Cold applied, flameless solution

Resistant to wind stress

High resistant to weathering & UV rays

Self-extinguish



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FLAGON SR SILVER ART



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ANZ-TDS-34-2-FLAGON SR SILVER ART

INSTALLATION (CONT.)

- Laying of FLAGON SR SILVER ART strips to be positioned at the head of the rolls of FLAGON SR SILVER ART membrane; the strips should be welded in order to join the heads of the rolls of FLAGON SR SILVER ART.
- 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	FLAGON SR SILVER ART
Thickness	1.8 mm
Roll dimensions	20 m x 1.65 m
Roll weight	59 kg
Rolls per pallet	12

PROPERTIES

PROPERTIES	STANDARDS	FLAGON SR SILVER ART
		1.8 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

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FLAGON SR



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TECHNICAL DATA SHEET

ANZ-TDS-34-FLAGON SR

DESCRIPTION

FLAGON SR is a synthetic PVC-P membrane obtained by cast process with a polyester reinforcement mesh and a signal layer on the surface.

FLAGON SR is design for roofing applications. It is resistant to ultraviolet rays, to puncturing, to weathering and to roots growth.

Flagon PVC membranes are naturally fire resistant, they self-extinguish and resist the spread of flame.

FIELD OF APPLICATION

Designed for single-ply application on horizontal surfaces, FLAGON SR 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

APPLICATION METHOD

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

At the top of the upstands, FLAGON SR is heat welded on FLAGMETAL 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 FLEXOCOL V is required before the installation of FLAGON SR or FLAGON SV 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 FLAGON SR or FLAGON SV membrane using FLEXOCOL V adhesive for upstands > 40 cm high or mechanical fixed when upstands < 40 cm.

Compliance with AS 4654.1

Service life in excess of 35 years

Cold applied, flameless solution

Resistant to wind stress

High resistant to weathering & UV rays

Self-extinguish



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FLAGON SR



WATERPROOFING

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TECHNICAL DATA SHEET

ANZ-TDS-34-FLAGON SR

INSTALLATION (CONT.)

- Laying of FLAGON SR strips to be positioned at the head of the rolls of FLAGON SR membrane; the strips should be welded in order to join the heads of the rolls of FLAGON SR.
- 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	FLAGON SR	
Thickness	1.5 mm	2 mm
Roll dimensions	20 m x 2.10 m	20 m x 2.10 m
Roll weight	82 kg	101 kg
Rolls per pallet	14	14

PROPERTIES

PROPERTIES	STANDARDS	FLAGON SR	
		1.5 mm	2 mm
Weight (kg/m ²)	EN 1849-2	1.80	2.40
Tensile strength (N/5cm)	EN 12311-2	≥ 1100	≥ 1100
Elongation to break (%)	EN 12311-2	≥ 15	≥ 15
Tear resistance (N)	EN 12310-2	≥ 200	≥ 200
Resistance to impact (mm)	EN 12691	≥ 800	≥ 1250
Cold bending (°C)	EN 495-5	≤ - 25	≤ - 25
Hydrostatic pressure resistance (6 hours at 0.5 Mpa)	EN 1928 met. B	waterproof	waterproof
Dimensional stability after 6 hours at 80°C (%)	EN 1107-2	≤ 0.5	≤ 0.5
Resistance to artificial weathering (UV)	EN 1297	no surface cracking	no surface cracking
Resistance to roots penetration	EN 13948	no penetration	no penetration
Resistance to static punching (kg)	EN 12730	≥ 20	≥ 20
Fire resistance	EN ISO 11925-1 EN 13501-1	E	E

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FLAGON SV



WATERPROOFING

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TECHNICAL DATA SHEET

ANZ-TDS-33-FLAGON SV

DESCRIPTION

FLAGON SV is a synthetic PVC-P membrane obtained by cast process and dimensionally stabilised with a layer of glass fibre (50 g/m²).

FLAGON SV is designed for roofing applications. It is resistant to ultraviolet rays, to puncturing, to weathering and to roots growth.

Flagon PVC membranes are naturally fire resistant, they self-extinguish and resist the spread of flame.

FIELD OF APPLICATION

Designed for single-ply application on horizontal surfaces and vertical finishing, FLAGON SV can be ballasted and mechanically fixed or loose laid on insulation panels, concrete ceilings or existing waterproofing covering for the following general applications;

- General roofing
- Green roofs
- Planter boxes

APPLICATION METHOD

FLAGON SV is installed loose laid with a separation layer on ballasted horizontal surfaces and glued with FLEXOCOL V on vertical surfaces. If the height of the wall is higher than 50 cm FLAGON SV will need to be fixed.

The overlaps are heat welded using a leister automatic welder or a hot air gun.

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
- 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 FLEXOCOL V is required before the installation of FLAGON SV 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 50 cm 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 FLAGON SV membrane using FLEXOCOL V adhesive
- Laying of FLAGON SV strips to be positioned at the head of the rolls of FLAGON SV membrane; the strips should be welded in order to join the heads of the rolls of FLAGON SV
- All penetrations and upturn details should be waterproof as per SOPREMA Installation Guides and detail drawings

Compliance with AS 4654.1

Service life in excess of 35 years

Cold applied, flameless solution

High resistant to weathering & UV rays

Self-extinguish



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TDS_FLAGON_SV_10-2020

FLAGON SV



WATERPROOFING

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ANZ-TDS-33-FLAGON SV

PACKAGING

SPECIFICATIONS	FLAGON SV		
Thickness	1.5 mm	2 mm	2.4 mm
Roll dimensions	20 m x 2.10 m	20 m x 2.10 m	20 m x 2.10 m
Roll weight	76 kg	100 kg	122 kg
Rolls per pallet	14	14	14

PROPERTIES

PROPERTIES	STANDARDS	FLAGON SV		
		1.5 mm	2 mm	2.4 mm
Weight (kg/m ²)	EN 1849-2	1.80	2.40	2.90
Tensile strength (N/mm ²)	EN 12311-2 met.B	≥ 9,0	≥ 9,0	≥ 9,0
Elongation to break (%)	EN 12311-2 met.B	≥ 200	≥ 200	≥ 200
Tear resistance (N)	EN 12310-2	≥ 135	≥ 170	≥ 200
Tear resistance - longitudinal (N) - transversal (N)	EN 12310-1	> 400 > 300	> 400 > 300	> 400 > 300
Resistance to impact (mm)	EN 12691 met.A	≥ 800	≥ 1250	≥ 1500
Cold bending (°C)	EN 495-5	≤ - 25	≤ - 25	≤ - 25
Hydrostatic pressure resistance (6 hours at 0,5 Mpa)	EN 1928 met. B	waterproof	waterproof	waterproof
Dimensional stability after 6 hours at 80°C (%)	EN 1107-2	≤ 0.1	≤ 0.1	≤ 0.1
Resistance to artificial weathering (UV)	EN 1297	no surface cracking	no surface cracking	no surface cracking
Resistance to roots penetration	EN 13948	no penetration	no penetration	no penetration
Resistance to static punching (kg)	EN 12730	≥ 20	≥ 20	≥ 20
Fire resistance	EN ISO 11925-1 EN 13501-1	E	E	E

STATEMENT OF RESPONSIBILITY

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ACCESSORY
PRODUCTS

APPLICATIONS

ROOFS

FLAG PVC LAMINATED METAL BAR

TECHNICAL DATA SHEET

ANZ-TDS-75-FLAG METAL STRIP PVC

DESCRIPTION

FLAG PVC LAMINATED METAL BAR is a finishing element for FLAGON PVC membrane.

FLAG PVC LAMINATED METAL BAR zinc steel strip coated on the surface with FLAGON PVC P membrane resistant to weathering and ultraviolet rays. Laying by installer approved by Flag S.p.A. UNI EN ISO 9001:2000 (Quality Company System) and UNI EN ISO 14001 (environmental system) certified quality system.



APPLICATION METHOD

FLAG PVC LAMINATED METAL BAR is mechanically fixed to substrate.

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

PACKAGING

SPECIFICATIONS	FLAG PVC LAMINATED METAL BAR
Colour	White
Roll dimensions	2 m x 50 mm
Elements per box	10

STORAGE AND HANDLING

In the original unopened and undamaged packaging. Protect from direct heat and sunlight.

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_FLAG_METAL_STRIP_PVC_04_2021_RA

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ACCESSORY
PRODUCTS

APPLICATIONS

ROOFS

FLAGON PVC LIGHTNING CONDUCTOR BASE

TECHNICAL DATA SHEET

ANZ-TDS-108-FLAGON PVC LIGHTNING CONDUCTOR BASE

DESCRIPTION

FLAGON PVC LIGHTNING CONDUCTOR BASE is manufactured from high performance polypropylene.

FLAGON PVC LIGHTNING CONDUCTOR BASE clip is available for 25mm x 3mm lightning conductor tape. The 86mm diameter base is available in PVC. The retaining clip is attached to the circular base with a stainless steel nut & bolt. The retaining clip and base come complete as one unit.

APPLICATION

- The waterproofing membrane surface must be dry and clean and may require PVC Lap Cleaner. Use an electronic hand held hot air welder and roller to install FLAGON PVC LIGHTNING CONDUCTOR BASE above the membrane.
- FLAGON PVC LIGHTNING CONDUCTOR BASE is not resistant to tar, bitumen, oil and some solvent containing materials.
- FLAGON PVC LIGHTNING CONDUCTOR BASE is compatible with all accessories and membranes from the FLAGON PVC range.

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

PROPERTIES

SPECIFICATIONS	FLAGON PVC LIGHTNING CONDUCTOR
Colour	Grey
Base diameter	86 mm
Height	25 mm
Conductor opening	25mm x 3mm
Pieces per box	50



STORAGE AND HANDLING

If FLAGON PVC LIGHTNING CONDUCTOR BASE is stored outdoors, cover with an opaque protection after removal of the delivery packaging.

STATEMENT OF RESPONSIBILITY

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ACCESSORY
PRODUCTS

APPLICATIONS

ROOFS

FLAGON

LIQUID PVC

TECHNICAL DATA SHEET

ANZ-TDS-80-FLAGON LIQUID PVC

DESCRIPTION

FLAGON LIQUID PVC is used for the cold sealing of the welding on Flagon PVC membranes.

FLAGON LIQUID PVC is compatible with FLAGON PVC membranes.

APPLICATION

FLAGON LIQUID PVC is applied with an applicator on top of the welding.

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

PACKAGING

SPECIFICATIONS	FLAGON LIQUID PVC
Colour	different colours
Physical aspect	viscous liquid
Weight	1 kg
Consumption	10 g/m
Density at 20°C	0.98 g/cm ³
Ignition temperature (DIN 51755)	-21 °C

VISUAL



STORAGE AND HANDLING

The shelf life is almost 6 months, if the container is hermetically sealed and maintained at a room temperature.

Avoid contact with polystyrene. Do not apply on wet waterproofing membranes.

STATEMENT OF RESPONSIBILITY

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ACCESSORY
PRODUCTS

APPLICATIONS

ROOFS

FLAGON

PREFABRICATED CONICAL CORNER

TECHNICAL DATA SHEET

ANZ-TDS-97-FLAGON PREFABRICATED CONICAL CORNER

DESCRIPTION

FLAGON PREFABRICATED CONICAL CORNER is a prefabricated element obtained by moulding and it is made of FLAGON PVC.

APPLICATION METHOD

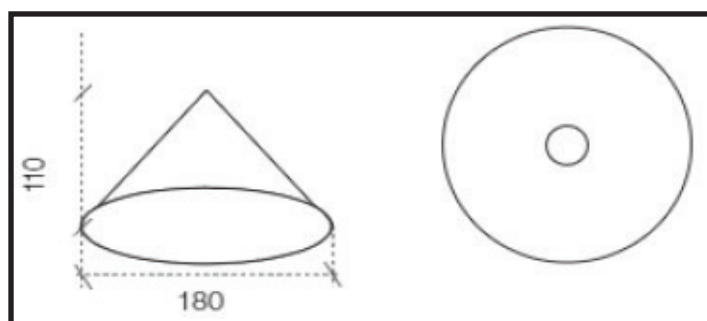
FLAGON PREFABRICATED CONICAL CORNER is welded with a Leister hot air gun all along the perimeter on the Flagon PVC membranes.

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

PACKAGING

SPECIFICATIONS	TYPES		FLAGON PREFABRICATED CONICAL CORNER
Colour	-		White/Sand grey/Dark grey
Dimensions	CONICAL	Ø	180 mm
		H	110 mm
Elements per box	-		20

SPECIFICATIONS



CONICAL

STORAGE AND HANDLING

In the original unopened and undamaged packaging and protect from direct heat and sunlight.

STATEMENT OF RESPONSIBILITY

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ACCESSORY
PRODUCTS

APPLICATIONS

ROOFS

FLAGON

PREFABRICATED INTERNAL/EXTERNAL CORNER 90°

TECHNICAL DATA SHEET

ANZ-TDS-76-FLAGON PREFABRICATED INTERNAL/EXTERNAL CORNER 90°

DESCRIPTION

FLAGON PREFABRICATED INTERNAL / EXTERNAL CORNER 90° is a prefabricated element obtained by moulding and it is made of FLAGON PVC.

APPLICATION METHOD

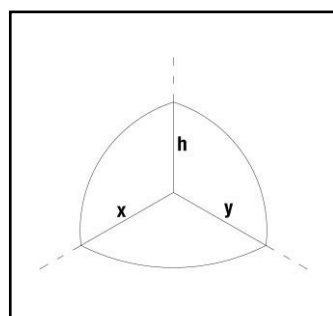
FLAGON PREFABRICATED INTERNAL / EXTERNAL CORNER 90° is welded with a Leister hot air gun all along the perimeter on the Flagon PVC membranes.

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

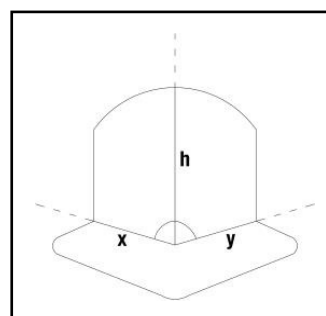
PACKAGING

SPECIFICATIONS	TYPES		FLAGON PREFABRICATED INTERNAL/EXTERNAL CORNER 90°
Colour	-		White/Sand grey/Dark grey
Dimensions H*Y*X	INTERNAL	95	95 mm x 95 mm x 95 mm
		145	145 mm x 145 mm x 145 mm
	EXTERNAL	95	95 mm x 95 mm x 95 mm
		145	145 mm x 165 mm x 165 mm
Elements per box	-		20

SPECIFICATIONS



INTERNAL



EXTERNAL

STORAGE AND HANDLING

In the original unopened and undamaged packaging and protect from direct heat and sunlight.

STATEMENT OF RESPONSIBILITY

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ACCESSORY
PRODUCTS

APPLICATIONS

ROOFS

FLAGON

PREFABRICATED WAVY CORNER

TECHNICAL DATA SHEET

ANZ-TDS-98-FLAGON PREFABRICATED WAVY CORNER

DESCRIPTION

FLAGON PREFABRICATED WAVY CORNER is a prefabricated element obtained by moulding and it is made of FLAGON PVC.

APPLICATION METHOD

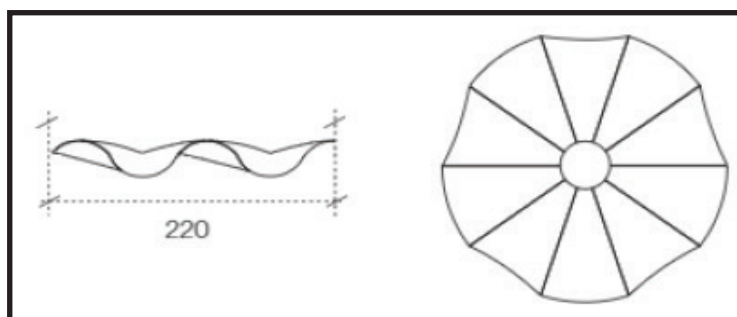
FLAGON PREFABRICATED WAVY CORNER is welded with a Leister hot air gun all along the perimeter on the Flagon PVC membranes.

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

PACKAGING

SPECIFICATIONS	TYPES		FLAGON PREFABRICATED WAVY CORNER
Colour	-		White/Sand grey/Dark grey
Dimensions	WAVY	Ø	220 mm
Elements per box	-		20

SPECIFICATIONS



WAVY

STORAGE AND HANDLING

In the original unopened and undamaged packaging and protect from direct heat and sunlight.

STATEMENT OF RESPONSIBILITY

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ACCESSORY
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FOUNDATIONS

FLAGON PVC CONNECTION PIPE COLLAR 80

TECHNICAL DATA SHEET

ANZ-TDS-96-FLAGON PVC CONNECTION PIPE COLLAR 80

DESCRIPTION

FLAGON PVC CONNECTION PIPE COLLAR 80 is a prefabricated element obtained by moulding, made of PVC FLAGON.

FLAGON PVC CONNECTION PIPE COLLAR 80 is used on roofing or underground waterproofing systems assembled with FLAGON PVC synthetic membranes, to give continuity around the waterproofing that come out from the roof or foundations.

The presence of different section diameters allows, once a measurement has been cut, to better adapt FLAGON PVC CONNECTION PIPE COLLAR 80 with the diameter of the elements that come out from the roof.

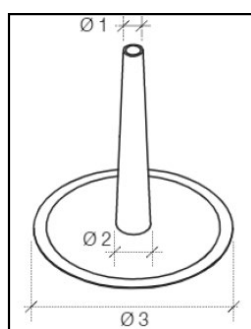
APPLICATION

- FLAGON PVC CONNECTION PIPE COLLAR 80 is welded with hot air all along the flange perimeter on the Flagon PVC membranes. Around the elements that come out from the roof or foundation, it is necessary to place a permanent elastic silicone between FLAGON PVC CONNECTION PIPE COLLAR 80 and the element that comes out from the roof or foundation, and subsequently tighten the upper end with a stainless steel clamp.
- FLAGON PVC CONNECTION PIPE COLLAR 80 is compatible with all accessories and membranes from the FLAGON PVC range.

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

PROPERTIES

SPECIFICATIONS	FLAGON PVC CONNECTION PIPE COLLAR 80				
	H	Ø 1	Ø 2	Ø 3	PCS PER BOX
FLAGON PVC CONNECTION PIPE COLLAR 80	250 mm	18 mm	36 mm	236 mm	10
	250 mm	28 mm	46 mm	246 mm	
	400 mm	80 mm	83 mm	276 mm	
	400 mm	110 mm	113 mm	312 mm	



STORAGE AND HANDLING

If FLAGON PVC CONNECTION PIPE COLLAR 80 is stored outdoors, cover with an opaque protection after removal of the delivery packaging.

STATEMENT OF RESPONSIBILITY

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ACCESSORY
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FLAGON PVC VAPOUR AERATOR

TECHNICAL DATA SHEET

ANZ-TDS-85-FLAGON PVC VAPOUR AERATOR

DESCRIPTION

FLAGON PVC VAPOUR AERATOR has been designed to aid the dynamic extraction of water vapour that forms between the roof slab and the waterproof roofing felt. The base of the **FLAGON PVC VAPOUR AERATOR** flange, which is placed in contact with the roof slab, has 16 duct ribs that keep the roofing felt lifted to aid the escape of hot air which continuously forms between the roof slab and the waterproofing.

The base of the shank has a reinforced curb to guarantee total protection of the **FLAGON PVC VAPOUR AERATOR** installation; the upper section has 3 lateral portholes and an open top hole to ensure efficient aeration.

The **FLAGON PVC VAPOUR AERATOR TOP** has three wings with a dual function:

- As an anchor to guarantee fast fitting of the **FLAGON PVC VAPOUR AERATOR TOP** to the **FLAGON PVC VAPOUR AERATOR** even in particularly windy areas
- As a spacer to maintain the gap between the **FLAGON PVC VAPOUR AERATOR TOP** and the upper lip of the shank, to increase the aeration surface

The curved form of the **FLAGON PVC VAPOUR AERATOR TOP** aids expulsion of the condensate that continuously forms, expelling it well away from the outside of the shank.

FLAGON PVC VAPOUR AERATOR TOP ESTRAER used as a replacement for the normal cup increases the dynamic suction capacity thanks to the special trumpet like design that makes the most of the Venturi pipe's suction properties, always guaranteeing the best suction in any situation.

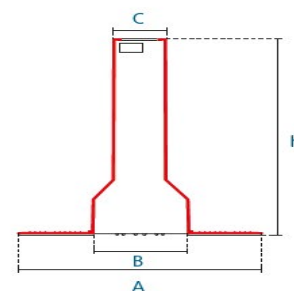
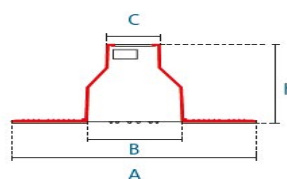
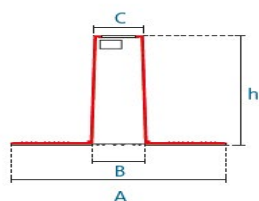
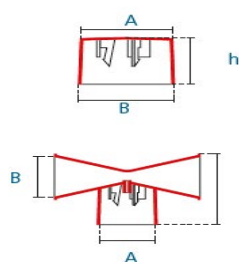
APPLICATION

- We recommend 3-4 **FLAGON PVC VAPOUR AERATOR** for every 100 m² in combination with SOPREMA PVC waterproofing systems.

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

PROPERTIES

SPECIFICATIONS	FLAGON PVC VAPOUR AERATOR				
	A	B	C	H	PCS PER BOX
FLAGON PVC VAPOUR AERATOR H160	388 mm	128 mm	73 mm	163 mm	20
FLAGON PVC VAPOUR AERATOR H240	320 mm	77 mm	73 mm	243 mm	20
FLAGON PVC VAPOUR AERATOR H400	388 mm	128 mm	73 mm </td <td>403 mm</td> <td>10</td>	403 mm	10



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ACCESSORY
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FLAGON PVC VAPOUR AERATOR

TECHNICAL DATA SHEET

ANZ-TDS-85-FLAGON PVC VAPOUR AERATOR

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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ACCESSORY
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FLAGON PVC WALKWAY

TECHNICAL DATA SHEET

ANZ-TDS-77-FLAGON PVC WALKWAY

DESCRIPTION

FLAGON PVC WALKWAY is Synthetic PVC-P membrane obtained by cast process and dimensionally stabilised by a glass fiber.

FLAGON PVC WALKWAY has an anti-slip embossed upper surface.

FLAGON PVC WALKWAY protects roof membranes from damage caused by necessary foot traffic or accidental tool drops. This product is compatible with FLAGON PVC roof membranes and can be applied to new or existing roofs using standard hot air welding equipment.

FIELD OF APPLICATION

Designed for single-ply application on horizontal, FLAGON PVC WALKWAY is applied onto FLAGON PVC membrane.

APPLICATION METHOD

- Prior to install FLAGON PVC WALKWAY remove any loose debris and clean PVC roof membrane, then allow to dry prior to application of walkway, roll out and cut desired length and allow to relax while placing into the desired position,
- Use FLEXOCOL V adhere the entire surface and leave on each side minimum 50 mm free of adhesive and weld FLAGON PVC WALKWAY around the perimeter.

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

PACKAGING

SPECIFICATIONS	FLAGON PVC WALKWAY
Thickness (EN 1849-2)	1.80 mm
Roll dimensions	20 m x 1 m
Roll weight (EN 1849-2)	2,15 kg/m ²
Rolls per pallet	23
Colour	Dark Grey

PROPERTIES

PROPERTIES	STANDARDS	FLAGON PVC WALKWAY
Tensile strength	EN 12311-2	≥ 9.0 N/mm ²
Elongation to break	EN 12311-2	≥ 200 %
Tear resistance	EN 12310-2	≥ 160 N
Resistance to static punching	EN 12316	> 20 kg
Cold bending	EN 495-5	≤ - 25°C
Behaviour under hydrostatic pressure (6 hours at 0,5 Mpa)	EN 1928 method B	Waterproof
Dimensional stability after 6 hours at 80°C	EN 1107-2	≤ 0.1%
Resistance to artificial weathering	EN 1297	No cracking
Resistance to root penetration	CEN TS 14416	no penetration
Fire resistance	EN ISO 11925-2 / EN 13501-1	E



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ACCESSORY
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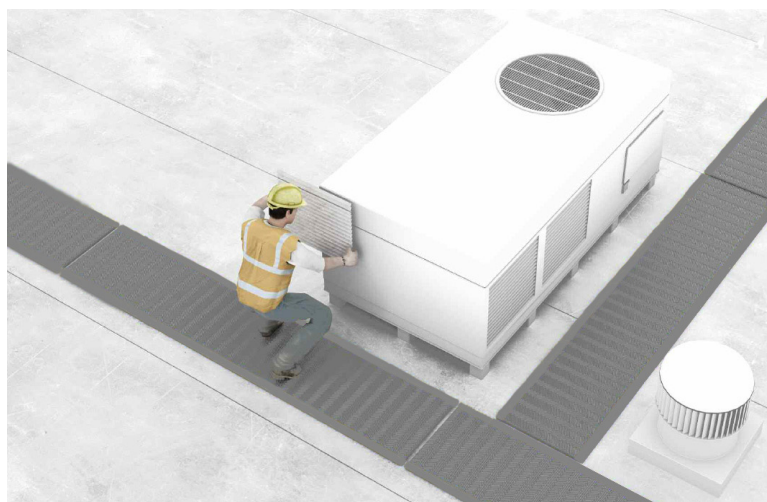
ROOFS

FLAGON PVC WALKWAY

TECHNICAL DATA SHEET

ANZ-TDS-77-FLAGON PVC WALKWAY

TYPE OF APPLICATION



STATEMENT OF RESPONSIBILITY

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TDS_FLAGON_PVC_WALKWAY-09-2023_RA



ACCESSORY
PRODUCTS

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ROOFS

FLAGON PVC CLEANER

TECHNICAL DATA SHEET

ANZ-TDS-81-FLAGON PVC CLEANER

DESCRIPTION

FLAGON PVC CLEANER is a ready-to-use solvent for reactivating the welding zone of the FLAGON PVC membrane.

FLAGON PVC CLEANER should be considered a weld activator and should not be used for washing surface of long-lasting PVC membranes on which a layer of dirt has been deposited, but rather it must be used after washing it with special neutral detergents to reactivate its weldability.

FLAGON PVC CLEANER is compatible with all FLAGON PVC membranes.

APPLICATION

- Apply FLAGON PVC CLEANER quickly with a rag without stopping, avoid excessive use to avoid damage to the membrane.
- Wait for complete evaporation before welding.
- FLAGON PVC CLEANER cannot be used in contact with polystyrene panels.
- Do not use FLAGON PVC CLEANER to wash the extended surface, but as an activator.

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

PACKAGING

SPECIFICATIONS	FLAGON PVC CLEANER
Physical aspect	liquid
Weight	3 kg

VISUAL



STORAGE AND HANDLING

Store in a dry and well-ventilated place.

Do not apply on wet waterproofing membrane.

STATEMENT OF RESPONSIBILITY

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ACCESSORY
PRODUCTS

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FOUNDATIONS

CIVIL WORKS

FLAGON PVC CONNECTION PIPE COLLAR

TECHNICAL DATA SHEET

ANZ-TDS-78-FLAGON PVC PIPE COLLAR

DESCRIPTION

The **FLAGON PVC PIPE COLLAR** is a prefabricated element obtained by moulding and it is made of PVC FLAGON.

The **FLAGON PVC PIPE COLLAR** is used on roofing or underground waterproofing system assembled with FLAGON PVC synthetic membranes to give continuity to the waterproofing around elements that come out from the roof or foundations.

The presence of different section diameters allows, once a measurement has been cut, to better adapt **FLAGON PVC PIPE COLLAR** with the diameter of the elements that come out from the roof.

Easy and quick to install

Rot-proof

High puncturing resistance

Excellent weldability

APPLICATION

- **FLAGON PVC PIPE COLLAR** are welded with hot air all along the flange perimeter on the Flagon PVC membranes. Around the elements that come out from the roof or foundation it is necessary to place a permanent elastic silicone between **FLAGON PVC PIPE COLLAR** and the element that come out from the roof or foundation and, subsequently, tighten the upper end with a stainless steel clamp.
- **FLAGON PVC PIPE COLLAR** is compatible with all the accessories and membrane in the FLAGON PVC range.

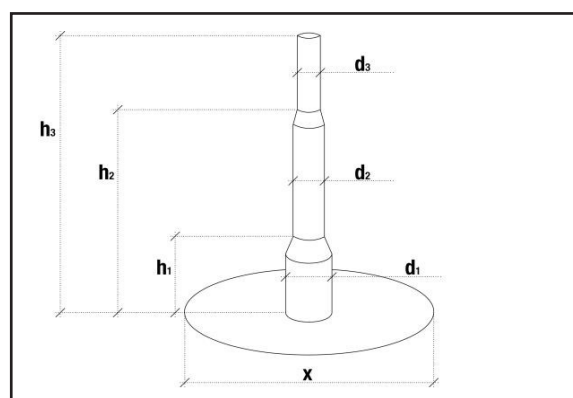
FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

PACKAGING

SPECIFICATIONS	FLAGON PVC PIPE COLLAR
Appearance	grey
Weight per piece	0.124 kg
Packaging	10 units per box

PROPERTIES

PROPERTIES	FLAGON PVC PIPE COLLAR	
Width	x	170 mm
Internal diameter	d1	29 mm
Internal diameter	d2	19 mm
Internal diameter	d3	10 mm
Height	h1	50 mm
Height	h2	150 mm
Height	h3	200 mm
Thickness	-	3.0 mm



STATEMENT OF RESPONSIBILITY

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TDS_FLAGON_PVC_PIPE_COLLAR_11-2020_RA

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ACCESSORY
PRODUCTS

APPLICATIONS

ROOFS

FLAGON

PVC DECOR PROFILE (COPPER)

TECHNICAL DATA SHEET

ANZ-TDS-86-FLAGON PVC DECOR PROFILE

DESCRIPTION

FLAGON PVC DECOR PROFILE is made of a flexible FLAGON PVC, compatible with FLAGON PVC membranes and accessories. It is distinguished by a high resistance to weathering and UV-rays.

APPLICATION

FLAGON PVC DECOR PROFILE is welded with hot air.

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

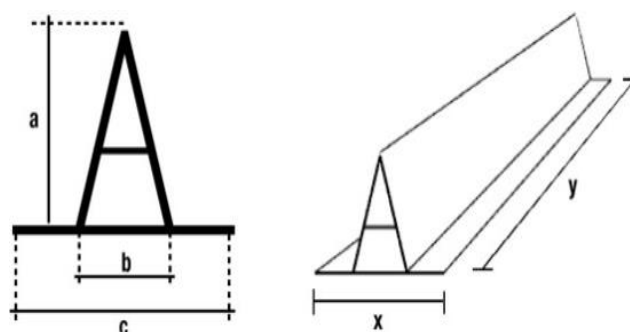


PACKAGING

SPECIFICATIONS	FLAGON PVC DECOR PROFILE
Composition	Flexible PVC
Thickness	2.2 mm
Mass	240 g/m
Pieces per box	10
Boxes per pallet	60

SPECIFICATIONS

SPECIFICATIONS	FLAGON PVC DECOR PROFILE	
Height	a	25 mm
Width seam	b	15 mm
Total width	c & x	35 mm
Length	y	3 m or 4 m



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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TDS_FLAGON_PVC_DECOR_PROFILE_2021_RA

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ACCESSORY
PRODUCTS

APPLICATIONS

ROOFS

FLAGON

PVC DECOR PROFILE (SILVER)

TECHNICAL DATA SHEET

ANZ-TDS-86-FLAGON PVC DECOR PROFILE

DESCRIPTION

FLAGON PVC DECOR PROFILE is made of a flexible FLAGON PVC, compatible with FLAGON PVC membranes and accessories. It is distinguished by a high resistance to weathering and UV-rays.

APPLICATION

FLAGON PVC PYRAMIDAL PROFILE is welded with hot air.

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

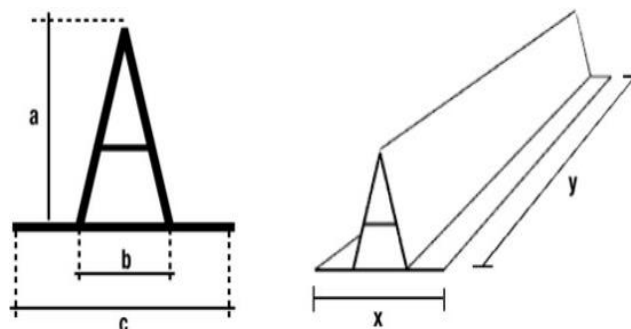


PACKAGING

SPECIFICATIONS	FLAGON PVC PYRAMIDAL PROFILE
Composition	Flexible PVC
Thickness	2.2 mm
Mass	240 g/m
Pieces per box	10
Boxes per pallet	60

SPECIFICATIONS

SPECIFICATIONS	FLAGON PVC PYRAMIDAL PROFILE	
Height	a	25 mm
Width seam	b	15 mm
Total width	c & x	35 mm
Length	y	3 m or 4 m



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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ACCESSORY
PRODUCTS

APPLICATIONS

FOUNDATIONS

TUNNELS

UNDERGROUND STRUCTURES

FLAGON PVC DISC

TECHNICAL DATA SHEET

ANZ-TDS-68-FLAGON PVC DISC

DESCRIPTION

FLAGON PVC DISC for underground lining are made in PVC-P, the same material that constitutes the FLAGON PVC waterproofing membranes.

FLAGON PVC DISC has a central cavity to take a washer for fixing nail. On the lower face it is ribbed to improve the adhesion to the support.

FLAGON PVC DISC has high flexibility, also at very low temperature. Its physical and mechanical characteristics do not change with time.

APPLICATION

- FLAGON PVC DISC is used to fix, at first, the protection, drainage felt or geocomposite layer to the primary lining of the underground vertical wall.
- FLAGON PVC DISC is fixed with a special gun with an explosive charge.
- Once nailed the washers to the primary lining, FLAGON PVC DISC serves as anchor point for the welding of the FLAGON PVC waterproofing membranes.
- FLAGON PVC waterproofing membranes are welded to FLAGON PVC DISCS using hot air with manual welder.

FLAGON PVC DISC is compatible with all the accessories and membrane in the FLAGON PVC range.

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

PACKAGING

SPECIFICATIONS	FLAGON PVC DISC
Appearance	Black
Weight for piece	0.035 kg
Packaging	100 units per box

PROPERTIES

PROPERTIES	FLAGON PVC DISC
Total diameter (a)	80 mm
Cavity diameter (b)	26 mm
High (h)	10 mm
Diameter of hole (c)	2.2 mm

STATEMENT OF RESPONSIBILITY

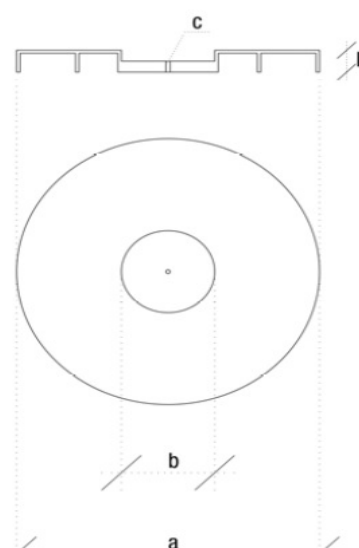
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Easy and quick to install

Rot-proof

High puncturing resistance

Excellent weldability



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ACCESSORY
PRODUCTS

APPLICATIONS

ROOFS

FOUNDATIONS

FLAGON

PVC METAL SHEET

TECHNICAL DATA SHEET

ANZ-TDS-83-FLAGON PVC METAL SHEET

DESCRIPTION

FLAGON PVC METAL SHEET is made of a flexible FLAGON PVC membrane bonded to a galvanised steel sheet. FLAGON PVC METAL SHEET is used for the realisation of custom made finishing elements of a roof such as flashings and profiles. It is distinguished by a high resistance to weathering and UV-rays. FLAGON PVC METAL SHEET is compatible with FLAGON PVC membranes and ALSAN EP M.

APPLICATION

- Used for custom made finishing elements of a roof in combination with the flexible PVC waterproofing systems.
- Weld the FLAGON PVC membrane onto FLAGON PVC METAL SHEET with hot air.

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

PACKAGING

SPECIFICATIONS	FLAGON PVC METAL SHEET
Upper side	Flexible PVC
Lower side	Galvanised steel
Total thickness	1,8 mm
Thickness PVC membrane	1,2 mm
Thickness steel sheet	0,6 mm
Width	1,00 m
Length	2 m / 3 m
Mass	6,0 kg/m ²

STORAGE AND HANDLING

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

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ACCESSORY
PRODUCTS

APPLICATIONS

ROOFS

FOUNDATIONS

CIVIL WORKS

FLAGON PVC PIPE COLLAR

TECHNICAL DATA SHEET

ANZ-TDS-125-FLAGON PVC PIPE COLLAR

DESCRIPTION

The FLAGON PVC PIPE COLLAR is a prefabricated element obtained by moulding and it is made of PVC FLAGON.

The FLAGON PVC PIPE COLLAR is used on roofing or underground waterproofing system assembled with FLAGON PVC synthetic membranes to give continuity to the waterproofing around elements that come out from the roof or foundations.

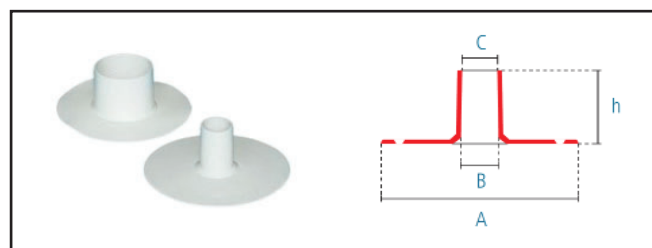
APPLICATION

- FLAGON PVC PIPE COLLAR are welded with hot air all along the flange perimeter on the Flagon PVC membranes. Around the elements that come out from the roof or foundation it is necessary to place a permanent elastic silicone between FLAGON PVC PIPE COLLAR and the element that come out from the roof or foundation and, subsequently, tighten the upper end with a stainless steel clamp.
- FLAGON PVC PIPE COLLAR is compatible with all the accessories and membrane in the FLAGON PVC range.

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

PACKAGING

SPECIFICATIONS	FLAGON PVC PIPE COLLAR
Appearance	grey
Packaging	25 units per box



PROPERTIES

PROPERTIES	FLAGON PVC 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

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WATERPROOFING

APPLICATIONS

ROOFS

FLEXOCOL A89

TECHNICAL DATA SHEET

ANZ-TDS-36-FLEXOCOL A89

DESCRIPTION

FLEXOCOL A89 is a mono-component polyurethane adhesive, moisture curing liquid with medium-low viscosity, with controlled expansion.

FLEXOCOL A89 is used for bonding FLAGON PVC or TPO waterproofing membranes coupled to a non-woven polyester felt on horizontal surfaces.

APPLICATION METHOD

- FLEXOCOL A89 can be spread and levelled using a squeegee or another similar tool
- FLEXOCOL A89 must be applied on the whole support surface creating a thin and uniform layer. On dry supports, it is important to proceed by wetting the surface using sprayed water
- After 5 to 15 minutes from the application (depending on outdoor conditions and humidity level), when the glue starts its reaction of foaming and becoming white, it is possible to proceed by laying the waterproofing membrane
- The first curing is after 2 to 4 hours while maximum adhesion level is normally obtained within 24 to 48 hours
- Do not dilute the adhesive FLEXOCOL A89 with solvents or diluents

CLEANING

- The laying tools can be cleaned with solvents or Methyl Eethyl Ketone. Do not use any solvents containing alcoholic groups.

PACKAGING

SPECIFICATIONS	FLEXOCOL A89
Physical state	Liquid
Coverage	Porous surfaces: ≥ 250 g/m ²
	Non-porous surfaces : 150 to 250 g/m ²
Packaging	12 kg can
Pail per pallet	50

PROPERTIES

PROPERTIES	FLEXOCOL A89
Specific weight at 20°C (g/cm ³)	1.12 \pm 5%
Water solubility	Insoluble
Consistency	Viscose liquid
Minimal ambient application temperature (°C)	+ 5

STORAGE AND HANDLING

Shelf life: Up to 10 months in original sealed containers, in cool and ventilated area. Store in a dry and well-ventilated area with temperature between 10°C and 30°C.

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ACCESSORY
PRODUCTS

APPLICATIONS

ROOFS

FLEXOCOL V

TECHNICAL DATA SHEET

ANZ-TDS-37-FLEXOCOL V

DESCRIPTION

FLEXOCOL V is a mono-component elastomeric and solvent based adhesive, liquid with low viscosity, resistant to water. FLEXOCOL V is used for bonding FLAGON PVC waterproofing membranes on vertical surfaces.

APPLICATION METHOD

- FLEXOCOL V can be spread and levelled using a squeegee, a roll, or a similar tool and applied on the whole surface of the membrane as well as the substrate
- After verifying the stickiness of the surface, install the FLAGON PVC membrane on the prepared substrate then apply a pressure on the membrane using a metal or rubber roll
- The setting of the adhesive is immediate while maximum adhesive level is obtained within few days

CLEANING

- The laying tools can be cleaned with acetone or Methyl Ethyl Ketone.

IMPORTANT NOTES

- Do not use FLEXOCOL V for bonding on polystyrene.
- Do not apply FLEXOCOL V on wet support.
- With a temperature below 10°C facilitate the evaporation of the solvent using hot air.

PACKAGING

SPECIFICATIONS	FLEXOCOL V
Physical state	Liquid
Coverage	500 g/m ²
Packaging	20 litres can
Pail per pallet	30

PROPERTIES

PROPERTIES	FLEXOCOL V
Specific weight at 25°C (g/cm ³)	1.18
Water solubility	Not insoluble
Consistency	Viscose liquid
Solvents	chloride hydrocarbons

STORAGE AND HANDLING

Shelf life: Up to 6 months in original sealed containers, in cool and ventilated area. Store in a dry and well-ventilated area at room temperature.

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GEOLAND PT FR 200

TECHNICAL DATA SHEET

ANZ-TDS-63-GEOLAND PT FR 200



ACCESSORY PRODUCTS

APPLICATIONS

ROOFS

GREEN ROOFS

PLANTER BOXES

DESCRIPTION

GEOLAND PT FR 200 is a continuous filament non-woven geotextile made from highly durable virgin polyester fibres, which are resistant to all naturally occurring soil acids and alkalis. The textile is formed through needle punching, and it is suitable for use in roofs, road & rail work, as a separation layer, drainage layer, protection and filtration works.

GEOLAND PT FR 200 non-woven geotextile is manufactured according to ISO 9001 quality standards.

FIELD OF APPLICATION

- Separation: Prevent the transfer of particles between different layers, avoiding the contact between non compatible materials. It acts as permeable barrier only for water between soils of different structures.
- Protection: It provides puncture resistance to waterproofing membranes.
- Filtration and drainage: Transversal permeability allows the passage of the water through the material whilst retaining small particles.

INSTALLATION PROCEDURE

- GEOLAND PT FR 200 is loose laid without tension and must be free from folds and wrinkles; place in direct contact with the substrate avoiding any gaps or voids between the substrate and the geotextile. Continuity between sheets is maintained by simple overlap or seams.

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

PROPERTIES

PROPERTIES	TEST METHOD	GEOLAND PT FR 200
RMS R63 / TMR MRTS27 Class:	-	B
Length	-	200 m
Width	-	2, 3, 4 ,6 m
TYPICAL MECHANICAL PROPERTIES Q VALUE		
Grab Tensile Strength (MD/TD)	AS 3706.2B	1050/1000 N
Trapezoidal Tear Strength (MD/TD)	AS 3706.3	350/350 N
CBR Burst Strength	AS 3706.4	2400 N
G Rating	Austrroads	2000
Grab Elongation	AS 2001.2.3	>50 %
UV Resistance	AS 3706.11	>50 %
TYPICAL HYDRAULIC PROPERTIES MEAN		
Pore Size	AS 3706.7	<120 µm
Permitivity	AS 3706.9	2.0 s ⁻¹
Nominal Flow Rate @ 100mm Head	AS 3706.9	200 L/m ² /sec

STORAGE AND HANDLING

GEOLAND PT FR 200 rolls must be stored in the delivery packaging, in a dry and protected environment.

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