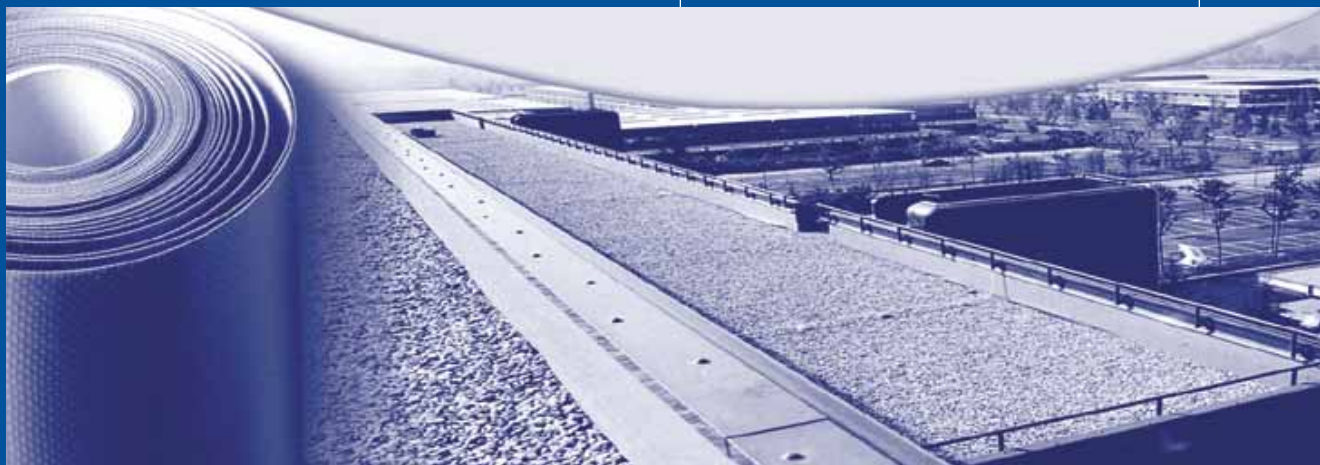


FLAGON PVC



FLAGON SV

ROOFING SYNTHETIC MEMBRANES



SOPREMA GROUP



FLAGON SV

www.flag.it

COMPOSITION

Synthetic membrane of plasticised PVC with a layer of glass fibre (50 g/m²) inserted for dimensional stability.

Manufactured in UNI EN ISO 9001:2000 (Quality System) and UNI EN ISO 14001:2004 (Environmental System) certified plant.

Resistant to weathering and ultraviolet rays. UEAtc certified.

Laying by installers approved by Flag S.p.A.

Finishing and accessories with elements manufactured and approved by Flag S.p.A.

FEATURES

- Resistance to weathering and ultraviolet rays.
- No dimensional shrinkage
- Will not rot
- Resistance to puncturing

- Adaptability to structural movements
- Flexibility to low temperatures
- Vapour permeability

AREA OF USE

ROOFING

- Movable Ballast System:
 - horizontal surfaces without pedestrian traffic ballasted by gravel
 - horizontal surfaces with pedestrian traffic ballasted by prefabricated square concrete slabs
 - inverted roof
 - sandwich roof
 - vertical details
- Mechanical fastening system:
 - vertical details

Membrane which is in accordance to the standards **ROOFCOLLECT**
Recycling System for Thermoplastic Membranes

PHYSICAL-CHEMICAL PROPERTIES

| | | FLAGON SV 120 | FLAGON SV 150 | FLAGON SV 180 | FLAGON SV 200 | FLAGON SV 240 | Testing method |
|---|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
| Thickness (mm) | | 1,2 | 1,5 | 1,8 | 2,0 | 2,4 | UNI EN 1849-2 |
| Weight (Kg/m ²) | | 1,50 | 1,80 | 2,15 | 2,40 | 2,90 | UNI EN 1849-2 |
| Tensile strenght (rectangular test specimen) (N/mm ²) | | ≥ 9,0 | ≥ 9,0 | ≥ 9,0 | ≥ 9,0 | ≥ 9,0 | UNI EN 12311 - 2 |
| Elongation to break (rectangular test specimen) (%) | | ≥ 200 | ≥ 200 | ≥ 200 | ≥ 200 | ≥ 200 | UNI EN 12311 - 2 |
| Tear resistance (N) | | ≥ 110 | ≥ 135 | ≥ 160 | ≥ 170 | ≥ 200 | UNI EN 12310 - 2 |
| Resistance to impact (mm) | | ≥ 450 | ≥ 800 | ≥ 900 | ≥ 1000 | ≥ 1500 | UNI EN 12691 |
| Cold bending (°C) | | ≤ - 25 | ≤ - 25 | ≤ - 25 | ≤ - 25 | ≤ - 25 | UNI EN 495 - 5 |
| Hydrostatic pressure resistance (6 hours at 0,5 MPa) | | waterproof | waterproof | waterproof | waterproof | waterproof | UNI EN 1928 meth. B |
| Dimensional stability after 6 hours at 80°C (%) | | ≤ ± 0,1 | ≤ ± 0,1 | ≤ ± 0,1 | ≤ ± 0,1 | ≤ ± 0,1 | UNI EN 1107 - 2 |
| Resistance to artificial weathering | | no cracking | no cracking | no cracking | no cracking | no cracking | UNI EN 1297 |
| Root resistance | | no penetration | no penetration | no penetration | no penetration | no penetration | UNI EN 13948 |
| Resistance to hail on rigid substrate (m/s) | | ≥ 25 | ≥ 25 | ≥ 25 | ≥ 25 | ≥ 25 | UNI EN 13583 |
| Thermal ageing in air after 168 d at 70°C | | | | | | | |
| Cold bending (°C) | | ≤ - 25 | ≤ - 25 | ≤ - 25 | ≤ - 25 | ≤ - 25 | UNI EN 1296 |
| Peel resistance of joints (N/50 mm) | | ≥ 150 | ≥ 150 | ≥ 150 | ≥ 150 | ≥ 150 | UNI EN 12316 - 2 |
| Shear resistance of joints | | breaking out of joint | breaking out of joint | breaking out of joint | breaking out of joint | breaking out of joint | UNI EN 12317 - 2 |
| Resistance to static punching (kg) | | ≥ 20 | ≥ 20 | ≥ 20 | ≥ 20 | ≥ 20 | UNI EN 12730 |

PRODUCTION STANDARD

| Thickness (mm) | 1,2 | 1,5 | 1,8 | 2,0 | 2,4 |
|----------------|-------------|-------------|-------------|-------------|-------------|
| Width (m) | 1,60 / 2,10 | 1,60 / 2,10 | 1,60 / 2,10 | 1,60 / 2,10 | 1,60 / 2,10 |
| Length (m) | 20 / 25 | 20 | 20 | 20 | 20 |
| Colour | Light grey | | | | |

ACCESSORIES SYSTEM

- FLAGON PVC for detail work (FLAGON S)
- Prefabricated accessories (corners, rain water outlet ecc.)
- FLAGON PVC CLEANER
- FLEXOCOL V (for vertical surface) / FLEXOCOL C (for UK market)
- PVC Flagmetal sheet - perimeter profile - termination strip - strip
- FLAGON SEAM PREP

Due to its formulation, the liner is NOT subject to the requirements set forth in the EEC 79/831 regulation on dangerous substances. If the product should be disposed of as waste, we recommend sending it to an authorised landfill site or to an incinerator equipped with post-combustion chamber and fume washing system.



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FLAGON PVC



FLAGON SP

ROOFING SYNTHETIC MEMBRANES



SOPREMA GROUP



1085 CPD 0018

FLAGON SP

www.flag.it

COMPOSITION

Synthetic membrane of plasticised PVC with a layer of glass fibre (50 g/m²) inserted for dimensional stability.

Manufactured in UNI EN ISO 9001:2000 (Quality System) and UNI EN ISO 14001:2004 (Environmental System) certified plant. Cerisie certified. Laying by installers approved by Flag S.p.A. Finishing and accessories with elements manufactured and approved by Flag S.p.A.

FEATURES

- No dimensional shrinkage
- Will not rot
- Resistance to puncturing
- Adaptability to structural movements

- Flexibility at low temperatures
- Vapour permeability
- Good resistance to hydrocarbons and bacterial attacks
- Signal red colour

AREA OF USE

ROOFING

- Movable Ballast System:
 - inverted roof
 - sandwich roof
- Rigid Ballast System:
 - pedestrian roof
 - trafficked roof
 - roof-garden

Membrane which is in accordance to the standards
ROOFCOLLECT
 Recycling System for Thermoplastic Membranes

PHYSICAL-CHEMICAL PROPERTIES

| | FLAGON SP 120 | FLAGON SP 150 | FLAGON SP 180 | FLAGON SP 200 | FLAGON SP 240 | FLAGON SP 300 | Testing method |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
| Thickness (mm) | 1.2 | 1.5 | 1.8 | 2.0 | 2.4 | 3.0 | UNI EN 1849-2 |
| Weight (Kg/m ²) | 1.50 | 1.80 | 2.15 | 2.40 | 2.90 | 3.65 | UNI EN 1849-2 |
| Tensile strenght (rectangular test specimen) (N/mm ²) | ≥ 9,0 | ≥ 9,0 | ≥ 9,0 | ≥ 9,0 | ≥ 9,0 | ≥ 9,0 | UNI EN 12311-2 |
| Elongation to break (rectangular test specimen) (%) | ≥ 200 | ≥ 200 | ≥ 200 | ≥ 200 | ≥ 200 | ≥ 200 | UNI EN 12311-2 |
| Tear resistance (N) | ≥ 110 | ≥ 135 | ≥ 160 | ≥ 170 | ≥ 200 | ≥ 250 | UNI EN 12310-2 |
| Resistance to impact (mm) | ≥ 450 | ≥ 800 | ≥ 900 | ≥ 1000 | ≥ 1500 | ≥ 1700 | UNI EN 12691 |
| Cold bending (°C) | ≤ -25 | ≤ -25 | ≤ -25 | ≤ -25 | ≤ -25 | ≤ -25 | UNI EN 495-5 |
| Hydrostatic pressure resistance (6 hours at 0,5 MPa) | waterproof | waterproof | waterproof | waterproof | waterproof | waterproof | UNI EN 1928 meth. B |
| Dimensional stability after 6 hours at 80°C (%) | ≤ ± 0,1 | ≤ ± 0,1 | ≤ ± 0,1 | ≤ ± 0,1 | ≤ ± 0,1 | ≤ ± 0,1 | UNI EN 1107-2 |
| Root resistance | no penetration | no penetration | no penetration | no penetration | no penetration | no penetration | UNI EN 13948 |
| Thermal ageing in air after 168 d at 70°C | | | | | | | |
| Cold bending (°C) | ≤ -25 | ≤ -25 | ≤ -25 | ≤ -25 | ≤ -25 | ≤ -25 | UNI EN 1296 |
| Peel resistance of joints (N/50 mm) | ≥ 150 | ≥ 150 | ≥ 150 | ≥ 150 | ≥ 150 | ≥ 150 | UNI EN 12316 - 2 |
| Shear resistance of joints | breaking out of joint | breaking out of joint | breaking out of joint | breaking out of joint | breaking out of joint | breaking out of joint | UNI EN 12317 - 2 |
| Resistance to static punching (kg) | ≥ 20 | ≥ 20 | ≥ 20 | ≥ 20 | ≥ 20 | ≥ 20 | UNI EN 12316 |

PRODUCTION STANDARD

| Thickness (mm) | 1,2 | 1,5 | 1,8 | 2,0 | 2,4 | 3,0 |
|----------------|------|------|------|------|------|------|
| Width (m) | 1,60 | 1,60 | 1,60 | 1,60 | 1,60 | 1,60 |
| Length (m) | 20 | 20 | 20 | 20 | 20 | 20 |
| Colour | Red | | | | | |

ACCESSORIES SYSTEM

- FLAGON PVC for detail work (FLAGON S)
- Prefabricated accessories (corners, rain water outlet ecc.)
- FLAGON PVC CLEANER
- PVC Flagmetal sheet - perimeter profile - termination strip - strip
- FLAGON SEAM PREP

Due to its formulation, the liner is NOT subject to the requirements set forth in the EEC 79/831 regulation on dangerous substances. If the product should be disposed of as waste, we recommend sending it to an authorised landfill site or to an incinerator equipped with post-combustion chamber and fume washing system.



SOPREMA GROUP

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FLAGON PVC



FLAGON SFC

ROOFING SYNTHETIC MEMBRANES



SOPREMA GROUP

COMPOSITION

Synthetic membrane of plasticised PVC with the addition of a 50 g/m² glass fibre reinforcement for stability and a 200 g/m² non-woven polyester felt support to make the adherence process practicable. Manufactured in UNI EN ISO 9001:2000 (Quality System) and UNI EN ISO 14001:2004 (Environmental System) certified plant. Resistant to weathering and ultraviolet rays. UEAtc certified. Laying by installers approved by Flag S.p.A. Finishing and accessories with elements manufactured and approved by Flag S.p.A.

FEATURES

- High resistance to weathering and ultraviolet rays.
- No dimensional shrinkage

- Insensitivity to the hot-cold cycles
- Resistance to puncturing
- Possible RAL colour for landscape or architectural purpose

AREA OF USE

ROOFING

- Movable Ballast System:
 - vertical details
- Mechanical Fastening System:
 - verticals
- Fully Adhered System:
 - fully adhered on insulation boards
 - fully adhered on traditional reinforced-concrete slab

Membrane which is in accordance to the standards

 Recycling System for Thermoplastic Membranes

PHYSICAL-CHEMICAL PROPERTIES

| | FLAGON SFC 120 | FLAGON SFC 150 | FLAGON SFC 180 | FLAGON SFC 200 | FLAGON SFC 240 | Testing method |
|--|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------|
| Thickness (mm) | 1,2 | 1,5 | 1,8 | 2,0 | 2,4 | UNI EN 1849 - 2 |
| Weight (Kg/m ²) | 1,70 | 2,00 | 2,35 | 2,60 | 3,10 | UNI EN 1849 - 2 |
| Tensile strenght (N/5cm) (rectangular test specimen) | ≥ 650 | ≥ 700 | ≥ 800 | ≥ 900 | ≥ 1100 | UNI EN 12311 - 2 |
| Elongation to break (rectangular test specimen) (%) | ≥ 80 | ≥ 80 | ≥ 80 | ≥ 80 | ≥ 80 | UNI EN 12311 - 2 |
| Tear resistance (N) | ≥ 150 | ≥ 170 | ≥ 180 | ≥ 200 | ≥ 220 | UNI EN 12310 - 2 |
| Resistance to impact (mm) | ≥ 450 | ≥ 800 | ≥ 900 | ≥ 1000 | ≥ 1500 | UNI EN 12691 |
| Cold bending (°C) | ≤ - 25 | ≤ - 25 | ≤ - 25 | ≤ - 25 | ≤ - 25 | UNI EN 495 - 5 |
| Hydrostatic pressure resistance (6 hours at 0,5 MPa) | waterproof | waterproof | waterproof | waterproof | waterproof | UNI EN 1928 meth. B |
| Dimensional stability after 6 hours at 80°C (%) | ≤ ± 0,1 | ≤ ± 0,1 | ≤ ± 0,1 | ≤ ± 0,1 | ≤ ± 0,1 | UNI EN 1107 - 2 |
| Resistance to artificial weathering | no cracking | no cracking | no cracking | no cracking | no cracking | UNI EN 1297 |
| Root resistance | no penetration | no penetration | no penetration | no penetration | no penetration | UNI EN 13948 |
| Resistance to hail on rigid substrate (m/s) | ≥ 25 | ≥ 25 | ≥ 25 | ≥ 25 | ≥ 25 | UNI EN 13583 |
| Thermal ageing in air after 168 d at 70°C Cold bending (°C) | ≤ - 25 | ≤ - 25 | ≤ - 25 | ≤ - 25 | ≤ - 25 | UNI EN 1296 |
| Peel resistance of joints (N/50 mm) | ≥ 150 | ≥ 150 | ≥ 150 | ≥ 150 | ≥ 150 | UNI EN 12316 - 2 |
| Shear resistance of joints | breaking out of joints | breaking out of joints | breaking out of joints | breaking out of joints | breaking out of joints | UNI EN 12317 - 2 |
| Resistance to static punching (kg) | ≥ 20 | ≥ 20 | ≥ 20 | ≥ 20 | ≥ 20 | UNI EN 12730 |

PRODUCTION STANDARD

| | | | | | |
|-----------|------------|--------|--------|--------|--------|
| Thickness | 1,2 mm | 1,5 mm | 1,8 mm | 2,0 mm | 2,4 mm |
| Width | 1,60 m | 1,60 m | 1,60 m | 1,60 m | 1,60 m |
| Length | 20 m | 20 m | 20 m | 20 m | 20m |
| Colour | Light grey | | | | |

ACCESSORIES SYSTEM

- FLEXOCOL A89 / FLEXOCOL W (for UK market)
- FLAGON PVC for detail work (FLAGON S)
- Prefabricated accessories (corners, rain water outlet ecc.)
- FLAGON PVC CLEANER
- FLEXOCOL V (for vertical surface) / FLEXOCOL C (for UK market)
- PVC Flagmetal sheet - perimeter profile - termination strip - strip
- FLAGON SEAM PREP

Due to its formulation, the liner is NOT subject to the requirements set forth in the EEC 79/831 regulation on dangerous substances. If the product should be disposed of as waste, we recommend sending it to an authorised landfill site or to an incinerator equipped with post-combustion chamber and fume washing system.



SOPREMA GROUP

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FLAGON PVC



FLAGON SFb

ROOFING SYNTHETIC MEMBRANES



SOPREMA GROUP

COMPOSITION

Synthetic membrane of plasticised PVC with the addition of a 50 g/m² glass fibre reinforcement for stability and a non-woven polyester felt backing 300 g/m². Appropriately the bottom layer is added in order to provide an anti-bitumen layer.

Manufactured in UNI EN ISO 9001:2000 (Quality System) and UNI EN ISO 14001:2004 (Environmental System) certified plant.

Resistant to weathering and ultraviolet rays. UEAtc certified.

Laying by installers approved by Flag S.p.A. Finishing and accessories with elements manufactured and approved by Flag S.p.A.

FEATURES

- High resistance to weathering and ultraviolet rays.
- No dimensional shrinkage
- Compatibility with contact with bitumen on the lower layer
- Insensitivity to the hot-cold cycles
- Resistance to puncturing
- Possible RAL colour for landscape or architectural purpose

AREA OF USE

ROOFING

- Fully Adhered System:
 - refurbishment bitumen
 - adhered in bitumen

Membrane which is in accordance to the standards
ROOFCOLLECT
 Recycling System for Thermoplastic Membranes

PHYSICAL-CHEMICAL PROPERTIES

| | FLAGON Sfb 150 | FLAGON Sfb 180 | FLAGON Sfb 200 | FLAGON Sfb 240 | Testing method |
|--|-----------------------|-----------------------|-----------------------|-----------------------|--------------------|
| Thickness (mm) | 1,5 | 1,8 | 2,0 | 2,4 | UNI EN 1849 - 2 |
| Weight (Kg/m ²) | 2,10 | 2,45 | 2,70 | 3,20 | UNI EN 1849 - 2 |
| Tensile strenght (rectangular test specimen) (N/5cm) | ≥ 800 | ≥ 950 | ≥ 1000 | ≥ 1200 | UNI EN 12311 - 2 |
| Elongation to break (rectangular test specimen) (%) | ≥ 80 | ≥ 80 | ≥ 80 | ≥ 80 | UNI EN 12311 - 2 |
| Tear resistance (N) | ≥ 250 | ≥ 270 | ≥ 300 | ≥ 330 | UNI EN 12310 - 2 |
| Resistance to impact (mm) | ≥ 850 | ≥ 950 | ≥ 1050 | ≥ 1550 | UNI EN 12691 |
| Cold bending (°C) | ≤ - 25 | ≤ - 25 | ≤ - 25 | ≤ - 25 | UNI EN 495 - 5 |
| Hydrostatic pressure resistance ((6 hours at 0,5 MPa)) | waterproof | waterproof | waterproof | waterproof | UNI EN 1928 met. B |
| Dimensional stability after 6 hours at 80°C (%) | ≤ ± 0,1 | ≤ ± 0,1 | ≤ ± 0,1 | ≤ ± 0,1 | UNI EN 1107 - 2 |
| Resistance to artificial weathering | no cracking | no cracking | no cracking | no cracking | UNI EN 1297 |
| Root resistance | no penetration | no penetration | no penetration | no penetration | UNI EN 13948 |
| Resistance to hail on rigid substrate (m/s) | ≥ 25 | ≥ 25 | ≥ 25 | ≥ 25 | UNI EN 13583 |
| Thermal ageing in air after 168 d at 70°C Cold bending (°C) | ≤ - 25 | ≤ - 25 | ≤ - 25 | ≤ - 25 | UNI EN 1296 |
| Peel resistance of joints (N/50 mm) | ≥ 150 | ≥ 150 | ≥ 150 | ≥ 150 | UNI EN 12316 - 2 |
| Shear resistance of joints | breaking out of joint | breaking out of joint | breaking out of joint | breaking out of joint | UNI EN 12317 - 2 |
| Resistance to impact (mm) | 10 | 10 | 10 | 10 | UNI EN 12691 |
| Resistance to static punching (kg) | ≥ 20 | ≥ 20 | ≥ 20 | ≥ 20 | UNI EN 12316730 |

PRODUCTION STANDARD

| Thickness | 1,5 mm | 1,8 mm | 2,0 mm | 2,4 mm |
|-----------|------------|--------|--------|--------|
| Width | 2,10 m | 2,10 m | 2,10 m | 2,10 m |
| Length | 20 m | 20 m | 20 m | 20 m |
| Colour | Light grey | | | |

ACCESSORIES SYSTEM

- FLAGON PVC for detail work (FLAGON S)
- Prefabricated accessories (corners, rain water outlet ecc.)
- FLAGON PVC CLEANER
- FLEXOCOL V (for vertical surface) / FLEXOCOL C (for UK market)
- PVC Flagmetal sheet - perimeter profile - termination strip - strip
- FLAGON SEAM PREP

Due to its formulation, the liner is NOT subject to the requirements set forth in the EEC 79/831 regulation on dangerous substances. If the product should be disposed of as waste, we recommend sending it to an authorised landfill site or to an incinerator equipped with post-combustion chamber and fume washing system.



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FLAGON PVC



FLAGON SR

ROOFING SYNTHETIC MEMBRANES

COMPOSITION

Synthetic membrane of plasticised PVC with signal layer. Reinforced with a polyester mesh. Manufactured in UNI EN ISO 9001:2000 (Quality System) and UNI EN ISO 14001:2004 (Environmental System) certified plant. Resistant to weathering and ultraviolet rays. UEAtc certified. Laying by installers approved by Flag S.p.A. Finishing and accessories with elements manufactured and approved by Flag S.p.A.

FEATURES

- Resistance to wind stress
- High resistance to weathering and ultraviolet rays.
- High mechanical resistance.
- Insensitivity to the hot-cold cycles
- Resistance to puncturing
- Possible RAL color for landscape or architectural purpose

AREA OF USE

ROOFING

- Mechanical Fastening System:
 - Mechanical fixing

Membrane which is in accordance to the standards

 Recycling System for Thermoplastic Membranes

PHYSICAL-CHEMICAL PROPERTIES

| | FLAGON SR 120 | FLAGON SR 150 | FLAGON SR 180 | FLAGON SR 200 | FLAGON SR 240 | Testing method |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
| Thickness (mm) | 1,2 | 1,5 | 1,8 | 2,0 | 2,4 | UNI EN 1849 - 2 |
| Weight (Kg/m ²) | 1,50 | 1,80 | 2,15 | 2,40 | 2,90 | UNI EN 1849 - 2 |
| Tensile strenght (N/5 cm) (rectangular test specimen) | ≥ 1100 | ≥ 1100 | ≥ 1100 | ≥ 1100 | ≥ 1100 | UNI EN 12311 - 2 |
| Elongation to break (rectangular test specimen) (%) | ≥ 15 | ≥ 15 | ≥ 15 | ≥ 15 | ≥ 15 | UNI EN 12311 - 2 |
| Tear resistance (N) | ≥ 200 | ≥ 200 | ≥ 200 | ≥ 200 | ≥ 200 | UNI EN 12310 - 2 |
| Resistance to impact (mm) | ≥ 450 | ≥ 800 | ≥ 900 | ≥ 1000 | ≥ 1500 | UNI EN 12691 |
| Cold bending (°C) | ≤ - 25 | ≤ - 25 | ≤ - 25 | ≤ - 25 | ≤ - 25 | UNI EN 495 - 5 |
| Hydrostatic pressure resistance (6 hours at 0,5 MPa) | waterproof | waterproof | waterproof | waterproof | waterproof | UNI EN 1928 meth. B |
| Dimensional stability after 6 hours at 80°C (%) | ≤ ± 0,5 | ≤ ± 0,5 | ≤ ± 0,5 | ≤ ± 0,5 | ≤ ± 0,5 | UNI EN 1107 - 2 |
| Resistance to artificial weathering | no cracking | no cracking | no cracking | no cracking | no cracking | UNI EN 1297 |
| Root resistance | no penetration | no penetration | no penetration | no penetration | no penetration | UNI EN 13948 |
| Resistance to hail on rigid substrate (m/s) | ≥ 25 | ≥ 25 | ≥ 25 | ≥ 25 | ≥ 25 | UNI EN 13583 |
| Thermal ageing in air after 168 d at 70°C | ≤ - 25 | ≤ - 25 | ≤ - 25 | ≤ - 25 | ≤ - 25 | UNI EN 1296 |
| Cold bending (°C) | ≤ - 25 | ≤ - 25 | ≤ - 25 | ≤ - 25 | ≤ - 25 | UNI EN 1296 |
| Peel resistance of joints (N/50 mm) | ≥ 150 | ≥ 150 | ≥ 150 | ≥ 150 | ≥ 150 | UNI EN 12316 - 2 |
| Shear resistance of joints | breaking out of joint | breaking out of joint | breaking out of joint | breaking out of joint | breaking out of joint | UNI EN 12317 - 2 |
| Resistance to static punching (kg) | ≥ 20 | ≥ 20 | ≥ 20 | ≥ 20 | ≥ 20 | UNI EN 12730 |

PRODUCTION STANDARD

| | | | | | |
|-----------|------------|--------|--------|--------|--------|
| Thickness | 1,2 mm | 1,5 mm | 1,8 mm | 2,0 mm | 2,4 mm |
| Width | 2,10 m | 2,10 m | 2,10 m | 2,10 m | 2,10 m |
| Length | 25 m | 20 m | 20 m | 20 m | 20 m |
| Colour | Light grey | | | | |

ACCESSORIES SYSTEM

- FLAGON PVC for detail work (FLAGON S)
- Prefabricated accessories (corners, rain water outlet ecc.)
- FLAGON PVC CLEANER
- FLEXOCOL V (for vertical surface) / FLEXOCOL C (for UK market)
- PVC Flagmetal sheet - perimeter profile -termination strip - strip
- FLAGON SEAM PREP

Due to its formulation, the liner is NOT subject to the requirements set forth in the EEC 79/831 regulation on dangerous substances. If the product should be disposed of as waste, we recommend sending it to an authorised landfill site or to an incinerator equipped with post-combustion chamber and fume washing system.



FLAGON PVC



FLAGON SRF

ROOFING SYNTHETIC MEMBRANES



SOPREMA GROUP

COMPOSITION

Synthetic membrane of plasticised PVC reinforced with a polyester mesh and with a non-woven polyester felt backing of 200 g/m². For isolation or cushioning purposes.

Manufactured in UNI EN ISO 9001:2000 (Quality System) and UNI EN ISO 14001:2004 (Environmental System) certified plant.

Resistant to weathering and ultraviolet rays. Cerise certified.

Laying by installers approved by Flag S.p.A.

Finishing and accessories with elements manufactured and approved by Flag S.p.A.

FEATURES

- Resistance to wind stress
- High resistance to weathering and ultraviolet rays.
- High mechanical resistance.
- Insensitivity to the hot-cold cycles
- Resistance to puncturing
- Possible RAL colour for landscape or architectural purpose

AREA OF USE

ROOFING

- Mechanical Fastening System:
 - Mechanical fixing on incompatible substraighth

Membrane which is in accordance to the standards


 Recycling System for Thermoplastic Membranes

PHYSICAL-CHEMICAL PROPERTIES

| | FLAGON SRF 120 | FLAGON SRF 150 | FLAGON SRF 180 | FLAGON SRF 200 | FLAGON SRF 240 | Testing method |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
| Thickness (mm) | 1,2 | 1,5 | 1,8 | 2,0 | 2,4 | UNI EN 1849 - 2 |
| Weight (Kg/m ²) | 1,70 | 2,00 | 2,35 | 2,60 | 3,10 | UNI EN 1849 - 2 |
| Tensile strenght (rectangular test specimen) (N/5 cm) | ≥ 1100 | ≥ 1100 | ≥ 1100 | ≥ 1100 | ≥ 1100 | UNI EN 12311 - 2 |
| Elongation to break (rectangular test specimen) (%) | ≥ 15 | ≥ 15 | ≥ 15 | ≥ 15 | ≥ 15 | UNI EN 12311 - 2 |
| Tear resistance (N) | ≥ 200 | ≥ 200 | ≥ 200 | ≥ 200 | ≥ 200 | UNI EN 12310 - 2 |
| Resistance to impact (mm) | ≥ 450 | ≥ 800 | ≥ 900 | ≥ 1000 | ≥ 1500 | UNI EN 12691 |
| Cold bending (°C) | ≤ -25 | ≤ -25 | ≤ -25 | ≤ -25 | ≤ -25 | UNI EN 495 - 5 |
| Hydrostatic pressure resistance (6 hours at 0,5 MPa) | waterproof | waterproof | waterproof | waterproof | waterproof | UNI EN 1928 meth. B |
| Dimensional stability after 6 hours at 80°C (%) | ≤ ± 0,5 | ≤ ± 0,5 | ≤ ± 0,5 | ≤ ± 0,5 | ≤ ± 0,5 | UNI EN 1107 - 2 |
| Resistance to artificial weathering | no cracking | no cracking | no cracking | no cracking | no cracking | UNI EN 1297 |
| Root resistance | no penetration | no penetration | no penetration | no penetration | no penetration | UNI EN 13948 |
| Resistance to hail on rigid substrate (m/s) | ≥ 25 | ≥ 25 | ≥ 25 | ≥ 25 | ≥ 25 | UNI EN 13583 |
| Thermal ageing in air after 168 d at 70°C | | | | | | |
| Cold bending (°C) | ≤ -25 | ≤ -25 | ≤ -25 | ≤ -25 | ≤ -25 | UNI EN 1296 |
| Peel resistance of joints (N/50 mm) | ≥ 150 | ≥ 150 | ≥ 150 | ≥ 150 | ≥ 150 | UNI EN 12316 - 2 |
| Shear resistance of joints | breaking out of joint | breaking out of joint | breaking out of joint | breaking out of joint | breaking out of joint | UNI EN 12317 - 2 |
| Resistance to static punching (kg) | ≥ 20 | ≥ 20 | ≥ 20 | ≥ 20 | ≥ 20 | UNI EN 12730 |

PRODUCTION STANDARD

| | | | | | |
|-----------|------------|--------|--------|--------|--------|
| Thickness | 1,2 mm | 1,5 mm | 1,8 mm | 2,0 mm | 2,4 mm |
| Width | 2,10 m | 2,10 m | 2,10 m | 2,10 m | 2,10 m |
| Length | 25 m | 20 m | 20 m | 20 m | 20m |
| Colour | Light grey | | | | |

ACCESSORIES SYSTEM

- FLAGON PVC for detail work (FLAGON S)
- Prefabricated accessories (corners, rain water outlet ecc.)
- FLAGON PVC CLEANER
- FLEXOCOL V (for vertical surface) / FLEXOCOL C (for UK market)
- PVC Flagmetal sheet - perimeter profile - termination strip - strip
- FLAGON SEAM PREP

Due to its formulation, the liner is NOT subject to the requirements set forth in the EEC 79/831 regulation on dangerous substances. If the product should be disposed of as waste, we recommend sending it to an authorised landfill site or to an incinerator equipped with post-combustion chamber and fume washing system.

FLAGON PVC



FLAGON A

ROOFING SYNTHETIC MEMBRANES

COMPOSITION

Synthetic single layer membrane of plasticised PVC manufactured with polymeric plasticizers which are resistant to hydrocarbons. Manufactured in UNI EN ISO 9001:2000 (Quality System) and UNI EN ISO 14001:2004 (Environmental System) certified plant. Cerisic certified for hydrocarbons resistance. Laying by installers approved by Flag S.p.A. Finishing and accessories with elements manufactured and approved by Flag S.p.A.

FEATURES

- Resistant to oils and hydrocarbons
- High mechanical resistance.
- High puncturing resistance
- Adaptability to structural movements

AREA OF USE

ROOFING

- Rigid Ballast System:
 - trafficked roof

Membrane which is in accordance to the standards

 Recycling System for Thermoplastic Membranes

PHYSICAL-CHEMICAL PROPERTIES

| | FLAGON A 150 | FLAGON A 180 | FLAGON A 200 | Testing method |
|---|-----------------------|-----------------------|-----------------------|--------------------|
| Thickness (mm) | 1,5 | 1,8 | 2,0 | UNI EN 1849 -2 |
| Weight (kg/m ²) | 1,80 | 2,15 | 2,40 | UNI EN 1849 -2 |
| Tensile strenght (hourglass test tube) (N/mm ²) | ≥ 17,5 | ≥ 17,5 | ≥ 17,5 | UNI EN 12311 -2 |
| Elongation to break (hourglass test tube) (%) | ≥ 300 | ≥ 300 | ≥ 300 | UNI EN 12311 -2 |
| Resistance to impact (mm) | ≥ 800 | ≥ 900 | ≥ 1100 | DIN 16726-5.12 |
| Tear resistance (N) | ≥ 120 | ≥ 145 | ≥ 160 | UNI EN 12310 - 2 |
| Cold bending (°C) | ≤ -25 | ≤ -25 | ≤ -25 | UNI EN 495 - 5 |
| Hydrostatic pressure resistance (6 hours at 0,5 MPa) | waterproof | waterproof | waterproof | UNI EN 1928 met. B |
| Dimensional stability after 6 hours at 80 °C (%) | ≤ ± 2,0 | ≤ ± 2,0 | ≤ ± 2,0 | UNI EN 1107 - 2 |
| Root resistance | no penetration | no penetration | no penetration | UNI EN 13948 |
| Thermal ageing in air after 168 d at 70°C Cold bending (°C) | ≤ -25 | ≤ -25 | ≤ -25 | UNI EN 1296 |
| Peel resistance of joints (N/50 mm) | ≥ 150 | ≥ 150 | ≥ 150 | UNI EN 12316 - 2 |
| Shear resistance of joints | breaking out of joint | breaking out of joint | breaking out of joint | UNI EN 12317 - 2 |
| Resistance to static punching (kg) | ≥ 20 | ≥ 20 | ≥ 20 | UNI EN 12730 |

PRODUCTION STANDARD

| | | | |
|-----------|--------|--------|--------|
| Thickness | 1,5 mm | 1,8 mm | 2,0 mm |
| Width | 2,10 m | 2,10 m | 2,10 m |
| Length | 25 m | 20 m | 20 m |
| Colour | Black | | |

ACCESSORIES SYSTEM

- FLAGON PVC for detail work (FLAGON S)
- Prefabricated accessories (corners, rain water outlet ecc.)
- FLAGON PVC CLEANER
- FLEXOCOL V (for vertical surface) / FLEXOCOL C (for UK market)
- PVC Flagmetal sheet - perimeter profile -termination strip - strip
- Flagon SEAM PREP

Due to its formulation, the liner is NOT subject to the requirements set forth in the EEC 79/831 regulation on dangerous substances. If the product should be disposed of as waste, we recommend sending it to an authorised landfill site or to an incinerator equipped with post-combustion chamber and fume washing system.