

simplan



SYNTHETIC WATERPROOFING MEMBRANES

• PVC • TPO • HDPE

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insulation materials
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Our Quality Policy

Working towards becoming a leading organization that aims to be the best in its own industry through; continuous improvements in the embodied quality systems in practice, high sensitivity to its environment and community, supportive training for its employees to provide high customer satisfaction, endless betterments in production and service quality by utilizing the latest technology that gives us the chance to offer alternatives to the industry. We believe that, the basis of quality and success is unifying the right project, right infrastructure, right product and right application.



ISO 9001
QUALITY
ASSURANCE



pvc

membrane



- **BASECAP**
- **BASECAP SIGNAL**
- **WATERCAP**
- **LAKECAP**
- **LAKECAP UV-PLUS**
- **ROOFCAP UV**
- **PANELCAP UV**

SIMPLAN BASECAP

Homogenous PVC Waterproofing Membrane UV incompetent, vapor permeable, without reinforcement SOFT PVC waterproofing Membrane. it can be adhered with hot air welder.

APPLICATION AREAS :

- Building foundation and wall waterproofing
- Waterproofing of underground galleries
- Ballasted Roofs
- Wet areas
- Highway, subway tunnels
- Hangar and planking
- Concrete Roofs
- Building Dilatation Systems

APPLICATION ADVANTAGES :

- High Quality meeting EN 13967 Quality Standards
- Vapor Permeable structure
- Plant Root Resistance
- Recyclable environment-friendly material that includes no heavy metal
- Homogenous product against corrosion and dissolution
- High flexibility value. Material which has dimensional stability
- Ability to maintain its flexibility in -25C degrees temperature
- High tear resistance and impact strength
- Qualified and easy application options with heat air welder.
- Provides waterproofing in temperatures between -35 C and +85 C degrees



Features	Minimum Required Value	Test Result	Unit	Test Method
Determination of watertightness	impermeable	impermeable	-	EN 1928 (B)
Determination of watertightness post aging test	impermeable	impermeable	-	EN 1296 ve EN 1928 (A)
Determination of visible defects	No defect	No defect	-	EN 1850-2
Tensile strength	> 15	> 18	N/mm2	EN 12311-2
Flexibility/ Elongation at break	> 250	> 300	%	EN 12311-2
Resistance to static loading	> 20	> 22	Kg	EN 12730 (B)
Resistance to impact	> 450	> 800	mm	EN 12691 (A)
Resistance to tearing (nail shank)	> 300	> 330	N	EN 12310-1
Reaction to Fire	E Class	E Class	-	EN 13501-1
Shear resistance of joints	> 600	> 800	N/50mm	EN 12317-2
Water vapour transmission properties	25500±7500	25500±7500	μ	EN 1931
Determination of peel resistance of joints	> 150	> 155	N/50 mm	EN 12316-2
Dimensional Stability	< 2	< 2	%	EN 1107-2
Determination of foldability at low temperature	< - 25	< - 25	°C	EN 495-5

PRODUCT SIZES :

Thickness	Width	Length	Colour*	Roll m ²	Roll Weight
1,2 mm	2 mt	25 mt	Black	50 m ²	83 kg
1,5 mm	2 mt	20 mt	Black	40 m ²	83 kg
1,8 mm	2 mt	20 mt	Black	40 m ²	99,5 kg
2,0 mm	2 mt	15 mt	Black	30 m ²	84 kg

(*) Different colors available on demand

SiMPLAN BASECAP SiGNAL

Homogenous PVC Waterproofing Membrane UV incompetent, vapor permeable, without reinforcement , SOFT PVC waterproofing with signal layer. it can be adhered with hot air welder.

APPLiCATION AREAS :

- Building foundation and wall waterproofing ■ Ballasted Roofs ■ Wet areas ■ Waterproofing of underground galleries
- Highway and subway tunnels ■ Hangar and planking ■ Concrete Roofs ■ Dilation of Building Systems

APPLiCATION ADVANTAGES :

- High Quality meeting EN 13967 Quality Standards ■ Vapor Permeable structure ■ Plant Root Resistance
- Recyclable environment-friendly material that includes no heavy metal ■ Homogenous product against corrosion and dissolution ■ High flexibility value. Material which has dimensional stability ■ Ability to maintain its flexibility in -25C degrees temperature ■ High tear resistance and impact strength ■ Qualified and easy application options with heat air welder.
- Provides waterproofing in temperatures between -35 C and +85 C degrees

Features	Minimum Required Value (EN)	Test Result	Unit	Test Method
Determination of watertightness	impermeable	impermeable	-	EN 1928 (B)
Determination of watertightness post aging test	impermeable	impermeable	-	EN 1296 ve EN 1928 (A)
Determination of visible defects	No defect	No defect	-	EN 1850-2
Tensile strength	> 15	> 18	N/mm ²	EN 12311-2
Flexibility/ Elongation at break	> 250	> 300	%	EN 12311-2
Resistance to static loading	> 20	> 22	Kg	EN 12730 (B)
Resistance to impact	> 450	> 800	mm	EN 12691 (A)
Resistance to tearing (nail shank)	> 300	> 330	N	EN 12310-1
Reaction to Fire	E Class	E Class	-	EN 13501-1
Shear resistance of joints	> 600	> 800	N/50mm	EN 12317-2
Water vapour transmission properties	25500±7500	25500±7500	μ	EN 1931
Determination of peel resistance of joints	> 150	> 155	N/50 mm	EN 12316-2
Dimensional Stability	< 2	< 2	%	EN 1107-2
Determination of foldability at low temperature	< - 25	< - 25	°C	EN 495-5

PRODUCT SiZES :

Thickness	Width	Length	Colour*	Roll m ²	Roll Weight
1,2 mm	2mt	25 mt	Yellow-Black	50 m ²	83 kg
1,5 mm	2 mt	20 mt	Yellow-Black	40 m ²	83 kg
1,8 mm	2 mt	20 mt	Yellow-Black	40 m ²	99,5 kg
2,0 mm	2 mt	15 mt	Yellow-Black	30 m ²	84 kg

(*) Different colors available on demand



SiMPLAN WATERCAP

Homogenous PVC Waterproofing

Membrane for Drinking Water Reservoirs

Vapor permeable, without reinforcement, Anti – Bacterial, applied to drinking and potable water tanks SOFT PVC waterproofing membrane. it can be adhered with hot air welder easily.

APPLiCATION AREAS :

- Drinking Water Reservoirs and Tanks as Top Layer
- Water Channels and Water Tanks as Top Layer
- Drinking and Potable water transmission systems

APPLiCATION ADVANTAGES :

- High Quality meeting EN 13967 Quality Standards
- Vapor Permeable structure
- Antimicrobial Features
- Does not change of water physical and chemical properties
- Does not permit generation of bacteria and mosses on the surface.
- Recyclable environment-friendly material that includes no heavy metal
- High flexibility value. Dimensionally stable material
- Ability to maintain its flexibility in -25C degrees temperature
- High tear resistance and impact strength
- Qualified and easy application options with heat air welder
- Provides waterproofing in temperatures between -35 C and +85 C degrees
- Homogeneous product that has dissolution and decomposition resistances

Features	Minimum Required Value (EN)	Test Result	Unit	Test Method
Determination of watertightness	impermeable	impermeable	-	EN 1928 (B)
Determination of watertightness post aging test	impermeable	impermeable	-	EN 1296 ve EN 1928 (A)
Determination of visible defects	No defect	No defect	-	EN 1850-2
Tensile strength	> 15	> 18	N/mm ²	EN 12311-2
Flexibility/ Elongation at break	> 250	> 320	%	EN 12311-2
Resistance to static loading	> 20	> 20	Kg	EN 12730 (B)
Resistance to impact	> 450	> 900	mm	EN 12691 (A)
Resistance to tearing (nail shank)	> 300	> 330	N	EN 12310-1
Reaction to Fire	E Class	E Class	-	EN 13501-1
Shear resistance of joints	> 600	> 750	N/50mm	EN 12317-2
Water vapour transmission properties	25500±7500	25500±7500	μ	EN 1931
Determination of peel resistance of joints	> 150	> 155	N/50 mm	EN 12316-2
Dimensional Stability	< 2	< 2	%	EN 1107-2
Determination of foldability at low temperature	< - 25	< - 25	°C	EN 495-5

PRODUCT SIZES :

Thickness	Width	Length	Colour*	Roll m ²	Roll Weight
1,2 mm	2 mt	25	Blue	50 m ²	83 kg
1,5 mm	2 mt	20	Blue	40 m ²	83 kg
1,8 mm	2 mt	20	Blue	40 m ²	99,5 kg
2 mm	2 mt	15	Blue	30 m ²	84 kg

(*) Different colors available on demand



SiMPLAN LAKECAP

Homogenous PVC Lake Membrane UV resistant, vapor permeable, without reinforcement PVC Waterproofing Membranes have plant root resistance, they can be used for artificial lakes and dam applications and can be adhered with hot air welder.

APPLICATION AREAS :

■ Construction of artificial lakes as Top layer. ■ Construction garden pools and fish lakes. ■ Construction Decorative pools and lakes.

APPLICATION ADVANTAGES :

■ High Quality meeting EN 13967 Quality Standards ■ Vapor Permeable structure ■ Plant Root Resistance ■ UV Resistant / Durable against atmosphere conditions ■ Recyclable environment-friendly material that includes no heavy metals ■ Homogenous product that has dissolution and decomposition resistances ■ High flexibility value. Material which has dimensional stability ■ Ability to maintain its flexibility in -25C degrees temperature ■ High tear resistance and impact strength ■ Qualified and easy application options with heat air compressor ■ Provides waterproofing in temperatures between -35 C and +85 C degrees

Features	Minimum Required Value (EN)	Test Result	Unit	Test Method
Determination of watertightness	impermeable	impermeable	-	EN 1928 (B)
Determination of watertightness post aging test	impermeable	impermeable	-	EN 1296 ve EN 1928 (A)
Determination of visible defects	No defect	No defect	-	EN 1850-2
Tensile strength	> 15	> 18	N/mm2	EN 12311-2
Flexibility/ Elongation at break	> 250	> 320	%	EN 12311-2
Resistance to static loading	> 20	> 20	Kg	EN 12730 (B)
Resistance to impact	> 450	> 900	mm	EN 12691 (A)
Resistance to tearing (nail shank)	> 300	> 330	N	EN 12310-1
Reaction to Fire	E Class	E Class	-	EN 13501-1
Shear resistance of joints	> 600	> 750	N/50mm	EN 12317-2
Water vapour transmission properties	25500±7500	25500±7500	μ	EN 1931
Determination of peel resistance of joints	> 150	> 155	N/50 mm	EN 12316-2
Dimensional Stability	< 2	< 2	%	EN 1107-2
Determination of foldability at low temperature	< - 25	< - 25	°C	EN 495-5

PRODUCT SIZES :

Thickness	Width	Length	Colour*	Roll m ²	Roll Weight
1,5 mm	2 mt	20	Yellow	40 m ²	83 kg
1,8 mm	2 mt	20	Yellow	40 m ²	99,5 kg
2,0 mm	2 mt	15	Yellow	30 m ²	84 kg

(*) Different colors available on demand



SIMPLAN LAKECAP - UV PLUS

UV Resistant, Polyester Reinforced PVC Lake Membrane UV resistant, polyester reinforced and vapor permeable REINFORCED PVC Waterproofing Membranes have plant root resistance, they can be used for artificial lakes and dam applications and can be adhered with hot air welder.

APPLICATION AREAS :

■ Used in dam applications ■ Used in irrigation channels in agricultural lands ■ Used as final layer while constituting artificial lakes ■ Used for constituting garden and fish artificial lakes. ■ Used for constituting ornamental pools and decorative lakes.

APPLICATION ADVANTAGES :

■ High Quality meeting EN 13956 Quality Standards ■ Vapor Permeable structure ■ Plant Root Resistance ■ UV Resistant / Durable against atmosphere conditions ■ Recyclable environment-friendly material that includes no heavy metal ■ Polyester reinforced product that has dissolution and decomposition resistances. ■ High flexibility value. Material which has dimensional stability ■ Free layout usage feature by means of mechanically fixing method ■ Ability to maintain its flexibility in -25C degrees temperature ■ High tear resistance and impact strength ■ Qualified and easy application options with heat air welder ■ Provides waterproofing in temperatures between -35 C and +85 C degrees

PRODUCT SIZES :

Thickness	Width	Length	Colour*	Roll m ²	Roll Weight
1,5 mm	2,10 mt	20 mt	Yellow/ Black	42 m ²	87 kg
1,8 mm	2,10 mt	20 mt	Yellow/ Black	42 m ²	104,5 kg
2,0 mm	2,10 mt	15 mt	Yellow/ Black	31,5 m ²	88 kg

(*) Different colors available on demand



Features	Test Result	Unit
Determination of visible defects	No defect	-
Determination of watertightness	> 420	KPa
Resistance to root penetration	Feasible	-
UV resistance (1000 h)	Resistant	-
Shear resistance of joints	> 850	N/50 mm
Resistance to static loading	> 25	Kg
Flexibility/ Elongation at break	> 35	%
Resistance to impact	850	mm
Water vapour transmission properties	25000±7500	μ
Resistance to tearing (nail shank)	> 220	N
Tensile strength	>1100	N/50 mm
Determination of peel resistance of joints	> 300	N/50 mm
Determination of foldability at low temperature	<- 25	°C
Dimensional Stability	< 1	%
Hail resistance	> 19	

SIMPLAN ROOFCAP - UV

UV Resistant, Polyester Reinforced PVC Roof Membrane UV resistant, polyester reinforced and vapor permeable REINFORCED PVC Waterproofing Membranes have plant root resistance, they can be used for roof waterproofing applications and can be adhered with heat air welder.

APPLICATION AREAS :

■ Steel roofs and light metal roofs ■ Garden terrace roofs ■ Parking lot terrace roofs ■ Concrete roofs and parapets

APPLICATION ADVANTAGES :

■ High Quality meeting EN 13956 Quality Standards ■ Vapor Permeable structure ■ Plant Root Resistance ■ UV Resistant / Durable against atmosphere conditions ■ Recyclable environment-friendly material that includes no heavy metal
 ■ Polyester reinforced product that has dissolution and decomposition resistances. ■ High flexibility value. Material which has dimensional stability ■ Free layout usage feature by means of mechanically fixing method ■ Ability to maintain its flexibility in -25C degrees temperature ■ High tear resistance and impact strength ■ Qualified and easy application options with heat air welder ■ Provides waterproofing in temperatures between -35 C and +85 C degrees

Features	Minimum Required Value (EN)	Test Result	Unit	Test Method
Determination of visible defects	No defect	No defect	-	EN 1850-2
External fire exposure	BRoof (t1)	Feasible	-	EN 13501-5
Reaction to Fire	E Class	E Class	-	EN 13501-1
Determination of watertightness	> 400	> 420	KPa	EN 1928 (B)
Resistance to root penetration	Feasible	Feasible	-	EN 13948
UV resistance (1000 h)	Resistant	Resistant	-	EN 1297
Shear resistance of joints	> 800	> 800	N/50 mm	EN 12317-2
Resistance to static loading	> 20	> 25	Kg	EN 12730 (B)
Flexibility/ Elongation at break	> 15	> 35	%	EN 12311-2
Resistance to impact	> 400	900	mm	EN 12691 (A)
Water vapour transmission properties	25000±7500	25000±7500	μ	EN 1931
Resistance to tearing (nail shank)	> 180	> 220	N	EN 12310-2
Tensile strength	> 800	>1000	N/50 mm	EN 12311-2
Determination of peel resistance of joints	> 200	> 300	N/50 mm	EN 12316-2
Determination of foldability at low temperature	< - 25	<- 25	°C	EN 495-5
Dimensional Stability	< 1	< 1	%	EN 1107-2
Hail resistance	> 17	> 19	m/s	EN13583

PRODUCT SIZES :

Thickness	Width	Length	Colour*	Roll m ²	Roll Weight
1,2 mm	2,10 mt	25	Gray / Black	52,5 m ²	87 kg
1,5 mm	2,10 mt	20	Gray / Black	42 m ²	87 kg
1,8 mm	2,10 mt	20	Gray / Black	42 m ²	104.5 kg
2,0 mm	2,10 mt	15	Gray / Black	31,5 m ²	89 kg



(*) Different colors available on demand

SIMPLAN PANELCAP - UV

UV Resistant, Reinforced Geo-Textile Felted PVC Roof Membrane UV resistant, polyester reinforced and vapor permeable, plant root resistant REINFORCED GEOTEXTILE FELTED PVC Waterproofing Roof Membranes which can be adhered with hot air welder and also can be used for PVC Membrane laminated panel production because of its felt content.

APPLICATION AREAS :

■ PVC Membrane laminated panel production ■ Steel roofs and light metal roofs ■ Garden terrace roofs ■ Parking lot terrace roofs ■ Concrete roofs and parapets ■ Stream insulations

APPLICATION ADVANTAGES :

■ High Quality meeting EN 13956 Quality Standards ■ Vapor Permeable structure ■ Plant Root Resistance ■ UV Resistant / Durable against atmosphere conditions ■ Recyclable environment-friendly material that includes no heavy metal ■ Polyester reinforced product that has dissolution and decomposition resistances. ■ High flexibility value. Material which has dimensional stability ■ Free layout usage feature by means of mechanically fixing method ■ Ability to maintain its flexibility in -25C degrees temperature ■ High tear resistance and impact strength ■ Qualified and easy application options with heat air welder ■ Provides waterproofing in temperatures between -35 C and +85 C degrees

Features	Minimum Required Value (EN)	Test Result	Unit	Test Method
Determination of visible defects	No defect	No defect	-	EN 1850-2
External fire exposure	BRoof (t1)	Feasible	-	EN 13501-5
Reaction to Fire	E Class	E Class	-	EN 13501-1
Determination of watertightness	> 400	> 420	KPa	EN 1928 (B)
Resistance to root penetration	Feasible	Feasible	-	EN 13948
UV resistance (1000 h)	Resistant	Resistant	-	EN 1297
Shear resistance of joints	> 800	> 800	N/50 mm	EN 12317-2
Resistance to static loading	> 20	> 25	Kg	EN 12730 (B)
Flexibility/ Elongation at break	> 15	> 35	%	EN 12311-2
Resistance to impact	> 400	900	mm	EN 12691 (A)
Water vapour transmission properties	25000±7500	25000±7500	μ	EN 1931
Resistance to tearing (nail shank)	> 180	> 220	N	EN 12310-2
Tensile strength	> 800	>1000	N/50 mm	EN 12311-2
Determination of peel resistance of joints	> 200	> 300	N/50 mm	EN 12316-2
Determination of foldability at low temperature	< - 25	<- 25	°C	EN 495-5
Dimensional Stability	< 1	< 1	%	EN 1107-2
Hail resistance	> 17	> 19	m/s	EN13583

PRODUCT SIZES :

Thickness	Width	Length	Colour*
1,2 mm	1,10 mt	500-600 mt	Gray / Black
1,5 mm	1,10 mt	500-600 mt	Gray / Black

(*) Different colors available on demand

TPO

membrane



■ ROOFCOVER

■ PANELCOVER

SiMPLAN TPO ROOFCOVER

UV Resistant, Reinforced, TPO Roof Membrane UV resistant, polyester reinforced and vapor permeable, plant root resistant REINFORCED TPO Waterproofing Roof Membranes which can be adhered with hot air welder.

APPLICATION AREAS :

■ Steel roofs and light metal roofs ■ Garden / Parking Lot terrace roofs ■ Concrete roofs and steel roofs with different geometrical structure

APPLICATION ADVANTAGES :

■ High Quality meeting EN 13956 Quality Standards ■ Vapor Permeable structure ■ Plant Root Resistance ■ UV Resistant / Durable against atmosphere conditions ■ Recyclable environment-friendly material that includes no heavy metal ■ Polyester reinforced product that has dissolution and decomposition resistances. ■ High flexibility value. Material which has dimensional stability ■ Free layout usage feature by means of mechanically fixing method ■ Ability to maintain its flexibility in -25C degrees temperature ■ High tear resistance and impact strength ■ Qualified and easy application options with heat air welder ■ Provides waterproofing in temperatures between -35 C and +85 C degrees

Features	Minimum Required Value	Test Result	Unit	Test Method
Determination of visible defects	No defect	No defect	-	EN 1850-2
External fire exposure	B _{Roof(tl)}	Feasible	-	EN 13501-5
Reaction to Fire	E Class	E Class	-	EN 13501-1
Determination of watertightness	impermeable	impermeable	-	EN 1928 (B)
Resistance to root penetration	Feasible	Feasible	-	EN 13948
UV resistance (1000 h)	Resistant	Resistant	-	EN 1297
Shear resistance of joints	>600	>800	N/50 mm	EN 12317-2
Resistance to static loading	>20	>25	Kg	EN 12730 (B)
Flexibility/ Elongation at break	>15	>21	%	EN 12311-2
Resistance to impact	>400	600	mm	EN 12691 (A)
Resistance to tearing (nail shank)	>180	>320	N	EN 12310-2
Tensile strength	>800	>1000	N/50 mm	EN 12311-2
Determination of peel resistance of joints	>200	>280	N/50 mm	EN 12316-2
Determination of foldability at low temperature	<-25	<-25	°C	EN 495-5
Dimensional Stability	< 1	< 1	%	EN 1107-2
Hail resistance	>17	>22	m/s	EN13583

PRODUCT SIZES :

Thickness	Width	Length	Colour*	Roll m ²	Roll Weight
1,1 mm	2,10 mt	30 mt	Gray / Black	63 m ²	90 kg
1,2 mm	2,10 mt	30 mt	Gray / Black	63 m ²	98 kg
1,5 mm	2,10 mt	20 mt	Gray / Black	42 m ²	82 kg
1,8 mm	2,10 mt	15 mt	Gray / Black	31,5 m ²	74 kg



(*) Different colors available on demand

SIMPLAN TPO PANELCOVER

UV Resistant, Reinforced, Geo-textile Felted TPO Roof Membrane UV resistant, polyester reinforced and vapor permeable, plant root resistant REINFORCED GEOTEXTILE FELTED TPO Waterproofing Roof Membranes which can be adhered with hot air welder and also can be used for TPO Membrane laminated panel production because of its felt content.

APPLICATION AREAS :

■ Steel roofs and light metal roofs ■ Garden / Parking Lot terrace roofs ■ Concrete roofs and steel roofs with different geometrical structure

APPLICATION ADVANTAGES :

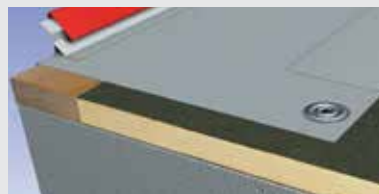
■ High Quality meeting EN 13956 Quality Standards ■ Vapor Permeable structure ■ Plant Root Resistance ■ UV Resistant / Durable against atmosphere conditions ■ Recyclable environment-friendly material that includes no heavy metal
 ■ Polyester reinforced product that has dissolution and decomposition resistances. ■ High flexibility value. Material which has dimensional stability ■ Free layout usage feature by means of mechanically fixing method ■ Ability to maintain its flexibility in -25C degrees temperature ■ High tear resistance and impact strength ■ Qualified and easy application options with heat air welder ■ Provides waterproofing in temperatures between -35 C and +85 C degrees

Features	Minimum Required Value	Test Result	Unit	Test Method
Determination of visible defects	No defect	No defect		EN 1850-2
External fire exposure	B _{Roof} (tl)	Feasible		EN 13501-5
Reaction to Fire	E Class	E Class		EN 13501-1
Determination of watertightness	impermeable	impermeable		EN 1928 (B)
Resistance to root penetration	Feasible	Feasible	-	EN 13948
UV resistance (1000 h)	Resistant	Resistant		EN 1297
Shear resistance of joints	≥ 600	≥ 800	N/50 mm	EN 12317-2
Resistance to static loading	≥ 20	≥ 25	Kg	EN 12730(B)
Flexibility/ Elongation at break	≥ 15	>20	%	EN 12311-2
Resistance to impact	≥ 400	600	mm	EN 12691 (A)
Resistance to tearing (nail shank)	≥180	≥ 330	mm N	EN 12310-2
Tensile strength	≥800	>1150	N/50 mm	EN 12311-2
Determination of peel resistance of joints	≥200	>300	N/50 mm	EN 12316-2
Determination of foldability at low temperature	<-25	<-25	°C	EN 495-5
Dimensional Stability	< 1	≤ 1	%	EN 1107-2
Hail resistance	>17	>22	m/s	EN13583

PRODUCT SIZES :

Thickness	Width	Length	Colour*
1,2 mm	1,10 mt	500-600 mt	Gray / Black
1,5 mm	1,10 mt	500-600 mt	Gray / Black

(*) Different colors available on demand



HDPE

membrane



■ SIMPLAN HDPE

SiMPLAN HDPE

High Density Polyethylene Based Homogenous HDPE Membrane UV resistant, vapor permeable, plant root resistant HDPE Waterproofing Membranes which can be used as felt laminated structure are manufactured especially for solid waste storage areas. it can be adhered with hot air welder.

APPLICATION AREAS :

- Waste collecting and recycling areas
- Waste Storage Engineering Projects
- Tanks of fuel product stations

APPLICATION ADVANTAGES :

- Excellent chemical durability.
- Resistant to thermal aging and corradng through oxidation.
- Plant Root Resistance
- UV Resistant / Durable against atmosphere conditions
- Recyclable environment-friendly material that includes no heavy metal
- Polyester reinforced product that has dissolution and decomposition resistances.
- High flexibility value. Material which has dimensional stability.
- Durable against bitumen, lubricant and coal tar
- Ability to maintain its flexibility in -25C degrees temperature
- High tear resistance and impact strength
- Qualified and easy application options with heat air welder
- Provides waterproofing in temperatures between -35 C and +85 C degrees

Features	Minimum Required Value	UNIT	Test Method
Density	0,97	gr/cm ³	DiN 53479
Voltage of sensitive point	> 17	N/mm ²	iSO R 527
Yield point	> 10	%	NFT 54102
Breaking strength	>30	N/mm ²	DiN 53455
Elongation at break	>760	%	ASTM D 882
Shear strength value	> 140	N/mm	DiN 53515
Puncture resistance	>250	N/mm	FTMS 2065
Oxide induction time	> 100	min.	ASTM D 3895
Vapor permeability	< 0,1	%	ASTM E 96



PRODUCT SIZES :

Thickness	Width	Length	Colour*	Roll m ²	Roll Weight
0,6 mm	2 mt	200 mt	Black	400 m ²	240 kg
1,0 mm	2 mt	150 mt	Black	300 m ²	300 kg
1,2 mm	2 mt	150 mt	Black	300 m ²	360 kg
1,5 mm	2 mt	150 mt	Black	300 m ²	300 kg
2 mm	2 mt	100 mt	Black	200 m ²	400 kg

(*) Different colors available on demand

Simplan PVC

Complementary Products



Parapet Strainer Outlets 1- Round outlet parapets (Ø50 – Ø70 -Ø100)

As with all of our other products, parapet finished filters Show a precise and perfect combination with our insulation solutions and materials resulting in perfect waterproofing.



Strainers with vertical outlets Product Description

(Ø50 – Ø70 -Ø100 -Ø125 -Ø150) Balcony and terrace filters with vertical downslopes are manufactured specially from single piece PVC. This piece, removes the possibility of water

leaks at risky points.

its lower surface is flexible and resistant to heat and gives a perfect weatherproof and leak free welding.

Ventilation Shafts

Ventilation Shafts help keeping the insulation layer dry by transferring out the moisture and vapor inside the structure and should be used at every 25-50 meters.



Leaf holders

On sloped roofs into the PVC drain holes and on terrace roofs without ceramic or tiles or ventilation shafts, leaf holders are used to prevent large objects from blocking the pipes. Resistant to UV rays, climate conditions and chemical substances.

Application: The lower part of the leaf holder is pressed into the mouth of the drainage pipe to achieve a tight positioning.

Sizes: is available for use at all diameters between 50 and 160 mm.



TWIN DRAINAGE SYSTEMS and ACCESSORIES

Usage:

On terraces, roofs and balconies, water, once inside, travels along the insulation layer down to the drainage pipe. The pooling water can not evaporate and continues its journey into deeper layers ,consequently leading to dark spots due to moisture. The twin drainage system is used to prevent these dark spots. The medium piece that connects to the lower drainage piece is made of polypropylene, seats perfectly into lower drainage piece and ,thanks to the 0,6 mm gaps, makes up another drainage helping the leaking water flow into the drainage pipes.



Flanged Strainer Waterproofing Systems System Parts

- a) Body – Lower outlet – Side Outlet
- b) Flange ring
- c) Upper strainer body
- d) Upper strainer grid
- e) Odor Filter Piece

Usage:

The chosen strainer body is seated into the laying and mounted on the pipe. The flange ring is placed, the height of the strainer filter is adjusted and then the flange ring is fastened. The holes aside the upper strainer body are to drain the remaining water directly into the drainage pipe. The channels on the outer surface of the body can be cut during height adjustment and when needed they can be slot into each other. The grids we produce at 10*10 cm and 15*15 cm give you more choices.



Inner and Outer Corner Apparatus

In terms of waterproofing water tanks, terrace roofs are risky places when it comes to covering corners. These materials can be used at such places.

Simplan PVC

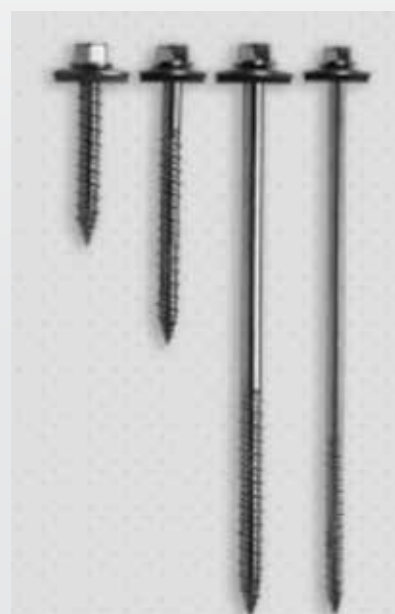
Complementary Products

**Roof Connection Elements.
Fixings**
We have two types of fixings.
1- Clawed Concave Fixings
2- Round Fixings



Screws

We have 5 different screws:
1-Concrete screws
2-Trapeze screws
3-Panel screws
4-insulation screws
5-Wood Screws





Rondels (Washers)

Used to ensure the geomembrane is fixed onto the vertical sloped surfaces. Commonly used in Foundation walls, metro and roadway tunnels.

Geotextile Fleece

Due to its high puncture resistance fleece protects materials from impacts, enables various working styles and prevents cement grout from leaking down.

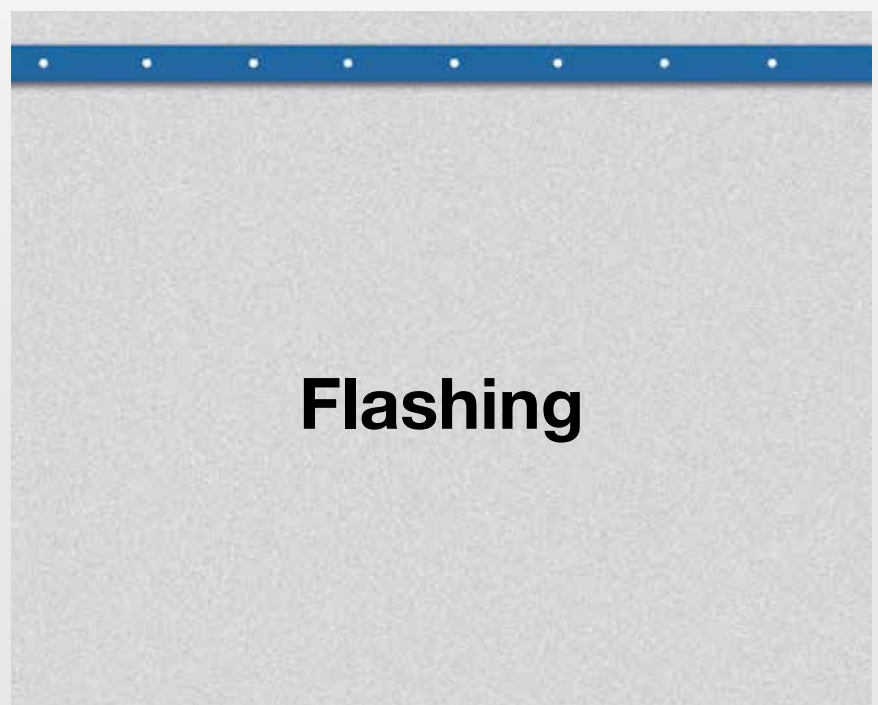
■ Because it helps spread the pressure, it is used for waterproofing in building foundations.

■ Protects the geomembranes applied on exposed surfaces against tearing and overfriction.

Especially: in building foundations, foundation walls, curtains, terraces, roofs, metro tunnels and roadway tunnels.

Flashing:

These aluminium materials are used in watertanks, parapets, curtain insulation, at the beginning and finishing of drainage boards and geomembranes; help fixing downwards like a curtain;and as well, help keeping water away from seeping between the membrane and the Wall.



Flashing



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