

SELF-ADHESIVE MEMBRANES

ULTRAFLEX SA 7000-X

ULTRAFLEX SA 6000-X

ULTRAFLEX SA NB

ULTRAFLEX SA NBS

ULTRAFLEX SA

ULTRAFLEX SA ALU

VAPORSTOP CA 500

Long operational lifetime, reliability and convenience of installation – that’s the ideal waterproofing. Any defect, especially when it comes to foundations, will certainly lead to the destruction of the entire system and huge financial losses.

Application of self-adhesive materials makes possible to install reliable waterproofing where the standard torch-on application is forbidden, while high flexibility and elasticity allow the materials to be used on surfaces of any complexity and in limited space.

APPLICATION AREA:

- Waterproofing of underground parts of premises and engineering structures
- Indoor waterproofing of premises and buildings
- Waterproofing of confined area, where standard technologies cannot be applied (e.g. bathroom floor)
- Underlay on pitched roofs and vapor barrier on the corrugated steel sheets and precast concrete slabs
- Corrosion protection of steel pipes and junctions

ADVANTAGES:



Application on surfaces, where torch-on application is prohibited



Application on surfaces of any complexity



Easy to install



Does not require extra equipment



Quick installation



Cold application prevents smoke, odors and noise

Self-adhesive waterproofing is a type of materials that combines all the advantages of torch-on applied materials and non-torch-on installation, which helps to avoid issues associated with the use of flame.

ULTRAFLEX SA 7000-X

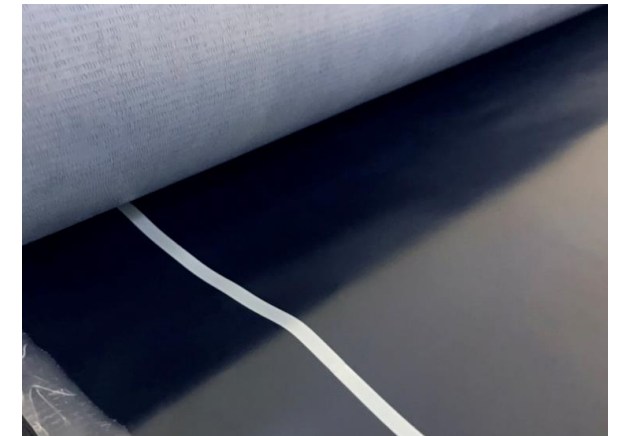
Self-adhesive carrier less SBS-modified bitumen membrane is designed for waterproofing of foundations and engineering structures with the additional feature of radon protection. The material is produced by placing a special self-adhesive polymer-bitumen binder on a unique high-performance polymer film that covers the material on top. Thanks to the outstanding properties of the film, the membrane has record elongation characteristics and high dimensional stability. The bottom surface of the material is covered with an easy-removable protective film.

MATERIAL STRUCTURE:

1. **Unique high-performance polymer film**
Protects the waterproofing layer from mechanical damage and impacts of chemically aggressive environment, grants record high elongation properties
2. **Self-adhesive polymer-bitumen compound**
The high elasticity of this layer preserves waterproofing undamaged when cracks and splits occur in the foundation
3. **Easy-removable protective film**
Used for underside surface protection from sticking in the roll

ADVANTAGES:

- Record high elongation properties
- Excellent physical and mechanical characteristics in all directions
- Prevents radon penetration into the structure
- High speed of application
- High repairability



PROPERTIES	ULTRAFLEX SA 7000-X
Thickness, mm	1.5±0.10
Mass per unit area, kg/m ²	1.5±0.15
Length x width, m	20 × 1
Flexibility / flow resistance, °C	≤-15 / ≥85
Elongation L / T, %	≥800 / ≥800
Tensile strength L / T, N/50 mm	400±100 / 300±100
Protective covering type on the top	high-performance polymer film

ULTRAFLEX SA 6000-X

Self-adhesive carrier less SBS-modified bitumen membrane is designed for waterproofing of foundations and engineering structures with the additional feature of radon protection. The material is produced by placing a special self-adhesive polymer-bitumen binder on a high-performance laminated HDPE film that covers the material on top. Thanks to the outstanding properties of the film, the membrane has enhanced elongation characteristics and high dimensional stability. The bottom surface of the material is covered with an easy-removable protective film.

MATERIAL STRUCTURE:

1. **High-performance laminated HDPE film**
Protects the waterproofing layer from mechanical damage and impacts of chemically aggressive environment, grants excellent elongation properties
2. **Self-adhesive polymer-bitumen compound**
The high elasticity of this layer preserves waterproofing undamaged when cracks and splits occur in the foundation
3. **Easy-removable protective film**
Used for underside surface protection from sticking in the roll

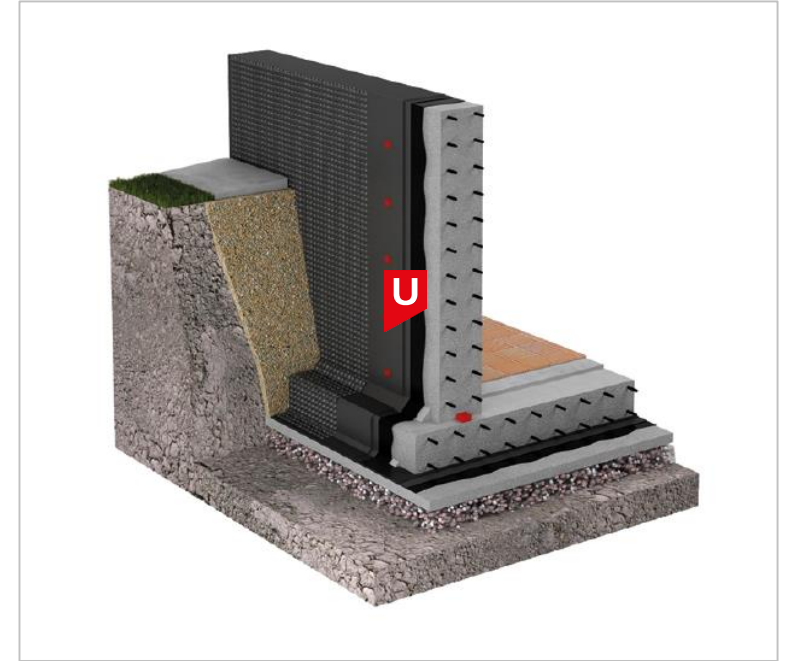
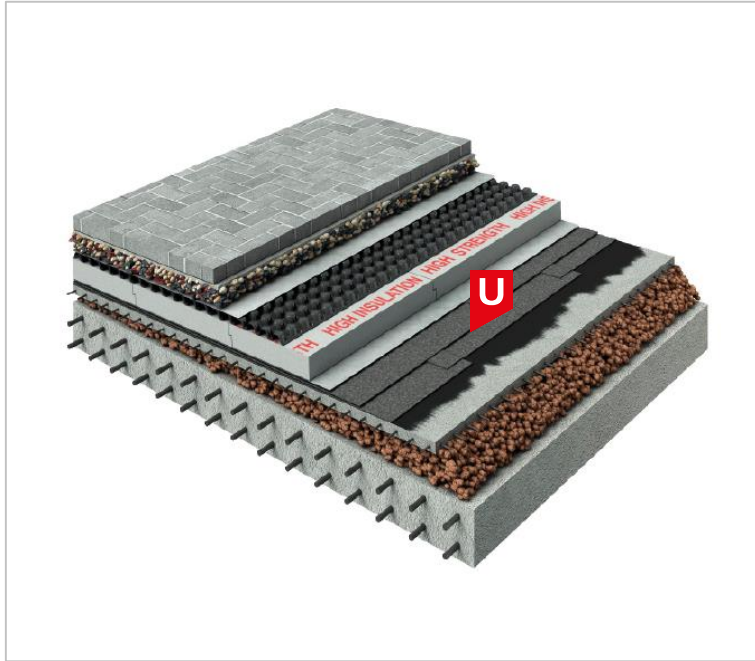
ADVANTAGES:

- Enhanced elongation properties
- Excellent physical and mechanical characteristics in all directions
- Prevents radon penetration into the structure
- High speed of application
- High repairability

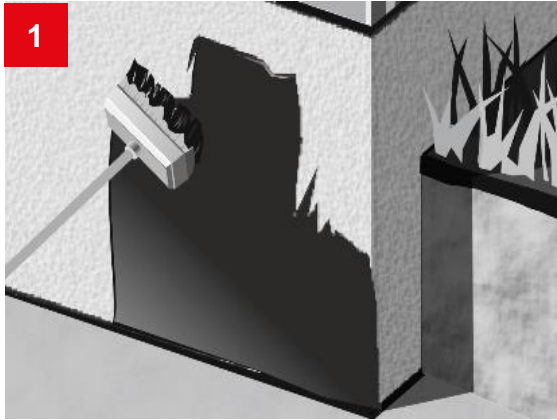


PROPERTIES	ULTRAFLEX SA 6000-X
Thickness, mm	1.5±0.10
Mass per unit area, kg/m ²	1.5±0.15
Length x width, m	20 × 1
Flexibility / flow resistance, °C	≤-15 / ≥85
Elongation L / T, %	≥500 / ≥500
Tensile strength L / T, N/50 mm	220±80 / 220±80
Protective covering type on the top	high-performance laminated HDPE film

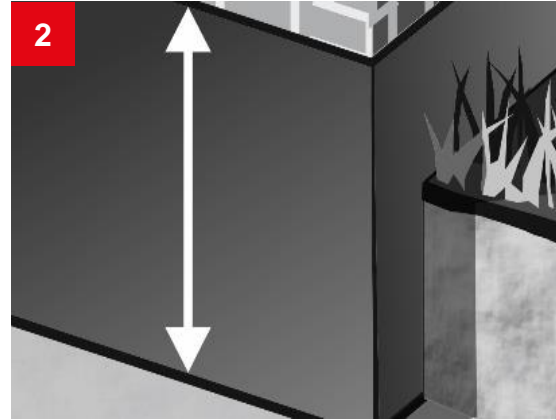
SOLUTION EXAMPLES:



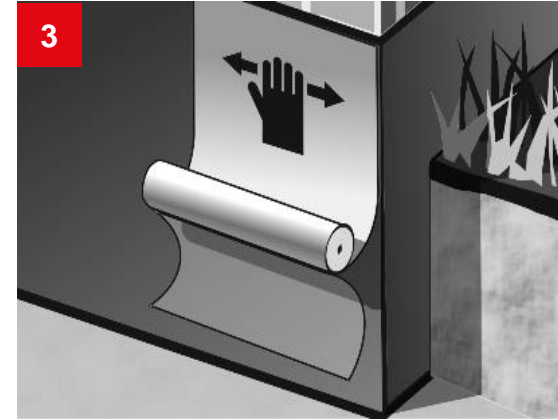
FOUNDATION WATERPROOFING



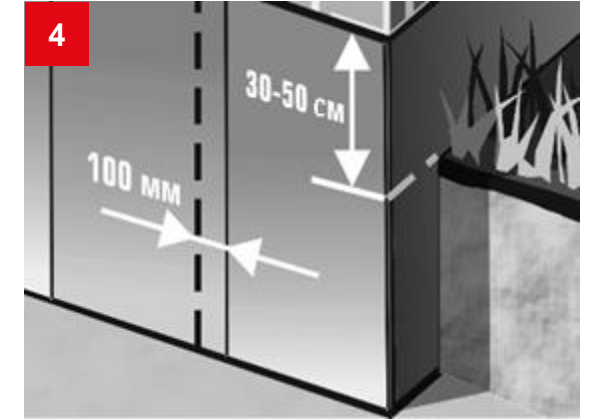
Surface must be smooth, dry, clean and with no oil stains. For better adhesion, treat the surface with primer.



Measure the depth of the foundation and cut the material to the required length.

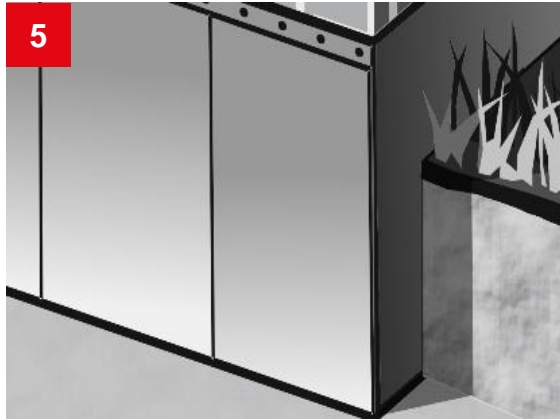


Apply the material from top downward by gradual removing the protective film, unrolling the membrane and smoothing it to the surface.



The material to be installed to the height of 30-50 cm above the ground level. Longitudinal overlaps should be 100 mm, sheet end overlaps - 150 mm.

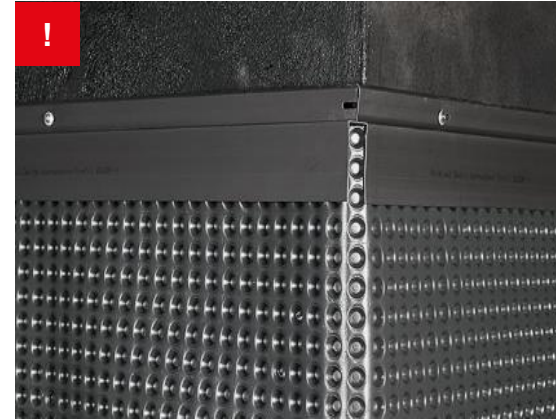
FOUNDATION WATERPROOFING



The top end of the waterproofing membrane to be fixed at basement level by profiled metal edge strip and sealed.



Protect the membrane from mechanical damage by means of thermal insulation or protective slabs.



As a protection from mechanical impacts, one can also use PLANTER HDPE membrane.

ULTRAFLEX SA NB

Self-adhesive carrier less SBS-modified bitumen membrane is designed for waterproofing of foundations and engineering structures, indoor waterproofing. The material is produced by placing a special self-adhesive polymer-bitumen binder on a thick polymer film that covers the material on top. The other side of the material is covered with an easy-removable protective film. Thanks to the special adhesive bitumen compound, the membrane can be used on surfaces, where the standard torch-on application is forbidden (expanded / extruded polystyrene or wooden base).

MATERIAL STRUCTURE:

1. Polymer film

Protects the waterproofing layer from mechanical damage and impacts of chemically aggressive environment

2. Self-adhesive polymer-bitumen compound

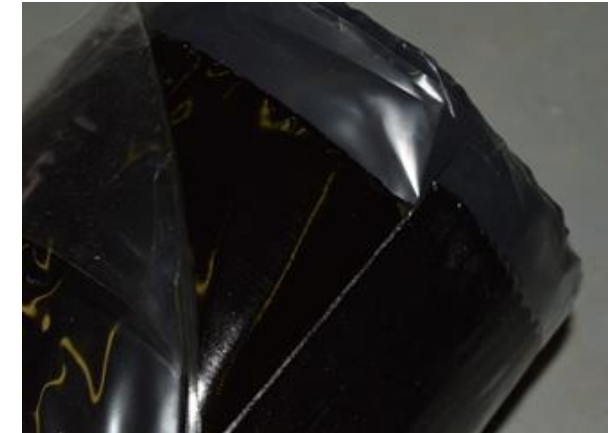
The high elasticity of this layer preserves waterproofing undamaged when cracks and splits occur in the foundation

3. Easy-removable protective film

Used for underside surface protection from sticking in the roll

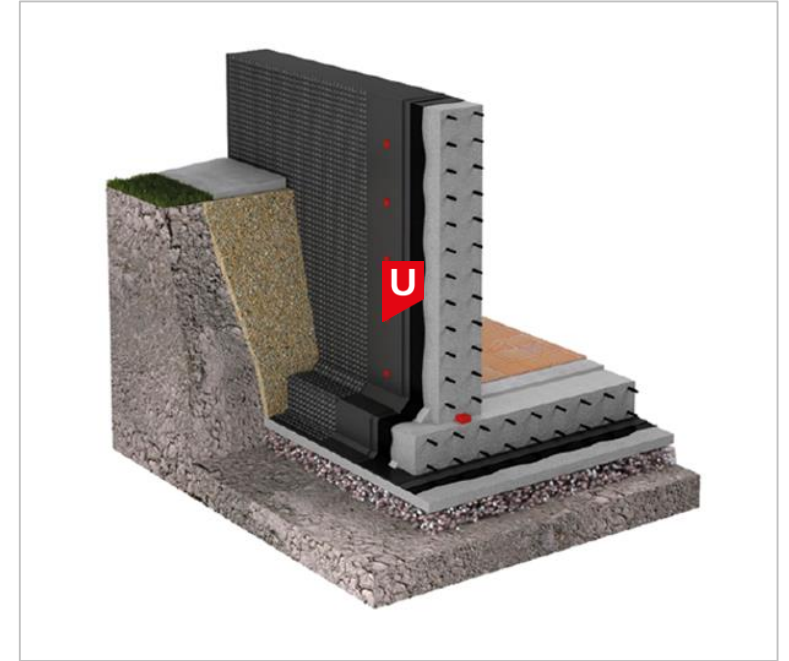
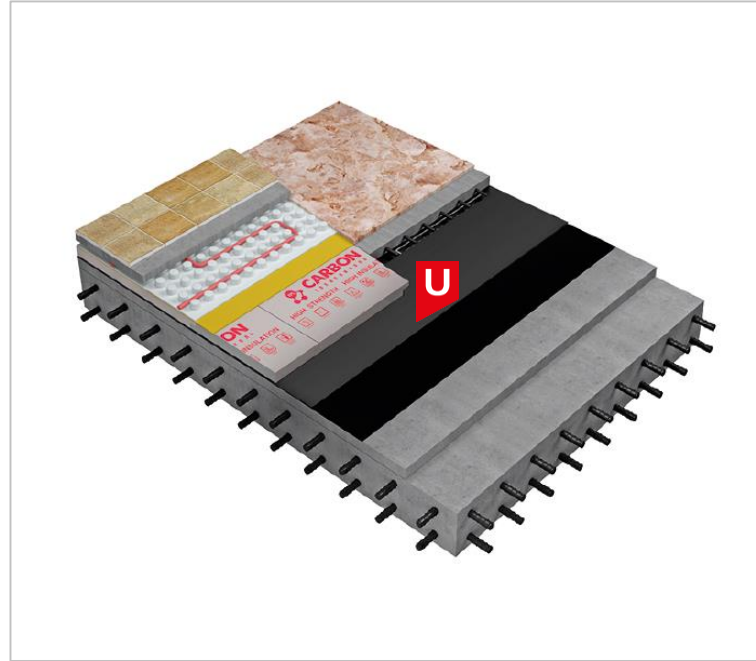
ADVANTAGES:

- High speed of application
- No need for any additional equipment and skills
- Safe and cheap application – the membrane is applied without the use of gas and flame
- Can be used for indoor waterproofing in a closed area



PROPERTIES	ULTRAFLEX SA NB
Thickness, mm	1.5±0.10
Mass per unit area, kg/m ²	1.5±0.25
Length x width, m	20 × 1
Flexibility / flow resistance, °C	≤-15 / ≥85
Elongation L / T, %	≥200 / ≥200
Tensile strength L / T, N/50 mm	NPD
Protective covering type on the top	thick polymer film

SOLUTION EXAMPLES:



ULTRAFLEX SA NBS

Self-adhesive carrier less SBS-modified bitumen membrane is designed for indoor waterproofing (leak protection). The material is produced by placing a special self-adhesive binder on a spunbond that covers the material on top. The other side of the material is covered with an easy-removable protective film. Thanks to the special adhesive bitumen compound, the material can be used for indoor works, where the standard torch-on application is forbidden.

MATERIAL STRUCTURE:

1. Polypropylene (Spunbond)

Protects the waterproofing layer from mechanical damage. Provides strong sticking of the tile adhesive when treated with the contact primer

2. Self-adhesive polymer-bitumen compound

The high elasticity of this layer allows installation of the membrane on surfaces of any complicated shape

3. Easy-removable protective film

Used for underside surface protection from sticking in the roll

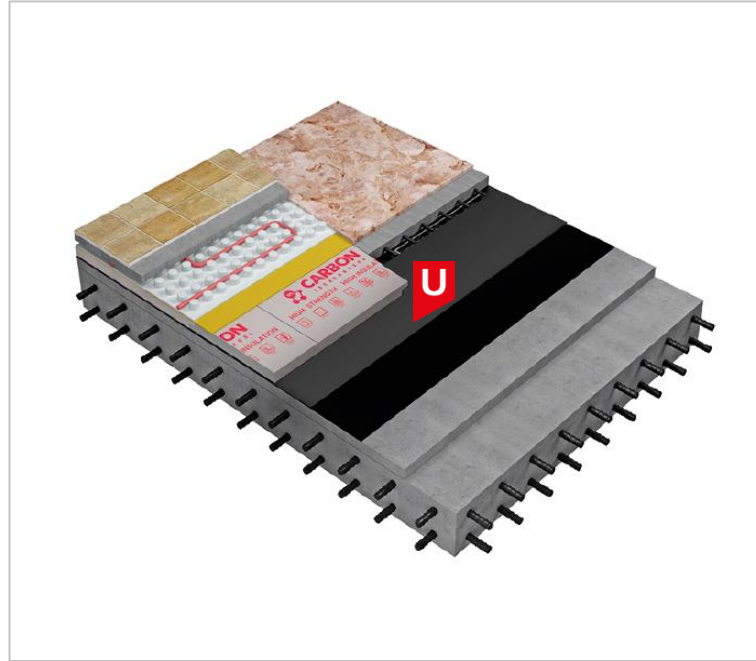
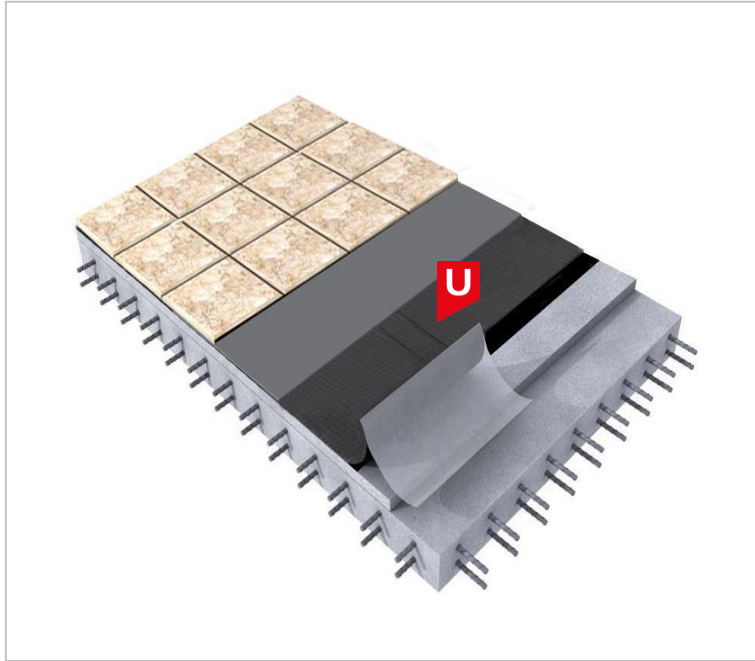
ADVANTAGES:

- Used for indoor waterproofing with the direct installation of ceramic tiles onto the material without the need of protective sand cement screed
- High speed of application
- No need for any additional equipment and skills
- Safe and cheap application



PROPERTIES	ULTRAFLEX SA NBS
Thickness, mm	1.5±0.10
Mass per unit area, kg/m ²	1.5±0.25
Length x width, m	20 × 1
Flexibility / flow resistance, °C	≤-15 / ≥85
Elongation L / T, %	≥60 / ≥60
Tensile strength L / T, N/50 mm	NPD
Protective covering type on the top	spunbond

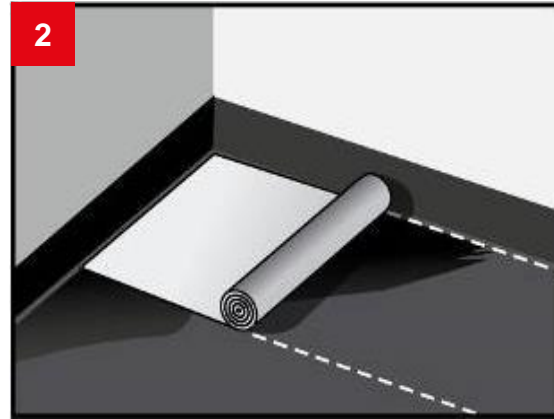
SOLUTION EXAMPLES:



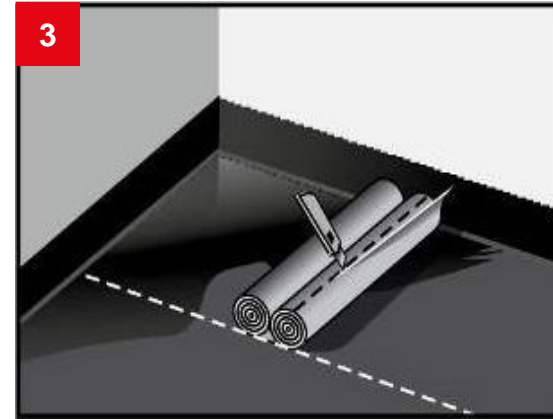
INDOOR WATERPROOFING



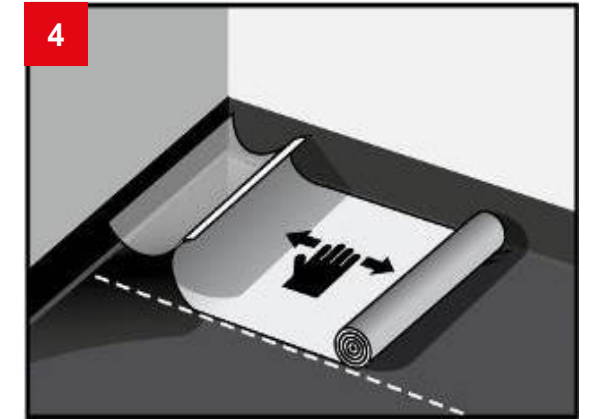
Clean and treat the surface with bitumen primer.



Fit and straighten the membrane to the area of application.

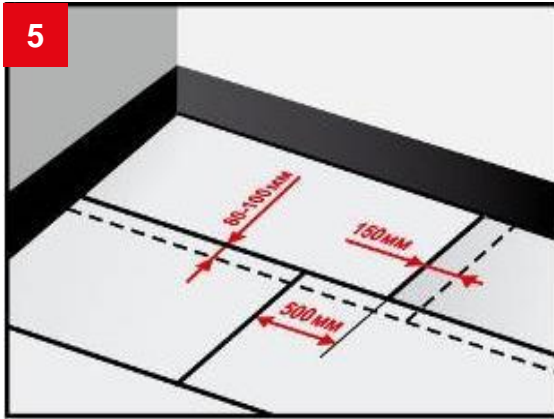


Re-roll the membrane to the center, pre-cut the protective film.

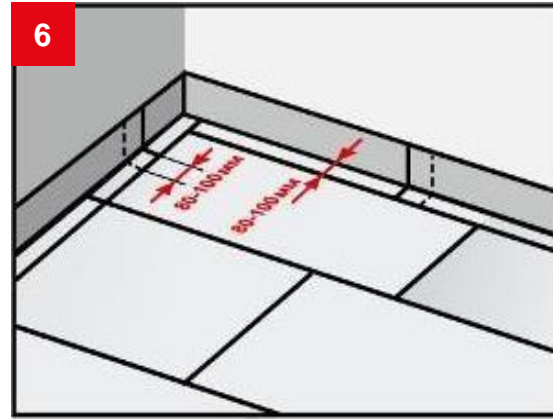


Remove the protective film and smooth the membrane.

INDOOR WATERPROOFING



Longitudinal overlaps: 80-100 mm. End overlaps: 150 mm. End overlaps to be glued with bitumen mastic of 1 mm thickness.



On a vertical surface the material to be placed on a height, sufficient according to the thickness of the floor and decoration.

! Self-adhesive materials to be installed at the temperatures above +10 °C.

! Surface must be smooth, dry, clean and with no oil stains.

ULTRAFLEX SA

Self-adhesive polyester reinforced SBS-modified bitumen membrane is designed as an underlay on pitched roofs and as a vapor barrier. Could also be used for waterproofing of foundations and engineering structures. On the top side, the membrane can be covered with polymer film or fine-grained sand. The bottom surface of the material is covered with an easy-removable protective film.

MATERIAL STRUCTURE:

1. **PE film or fine-grained sand**
Protects waterproofing layer from mechanical damage and prevents adhesion of the material in the roll
2. **Polymer-bitumen compound**
Provides reliable waterproofing
3. **Polyester**
Provides good elongation and grants optimal strength to the material
4. **Self-adhesive polymer-bitumen compound**
Allows installation of the material on combustible surfaces
5. **Easy-removable protective film**
Used for underside surface protection from sticking in the roll

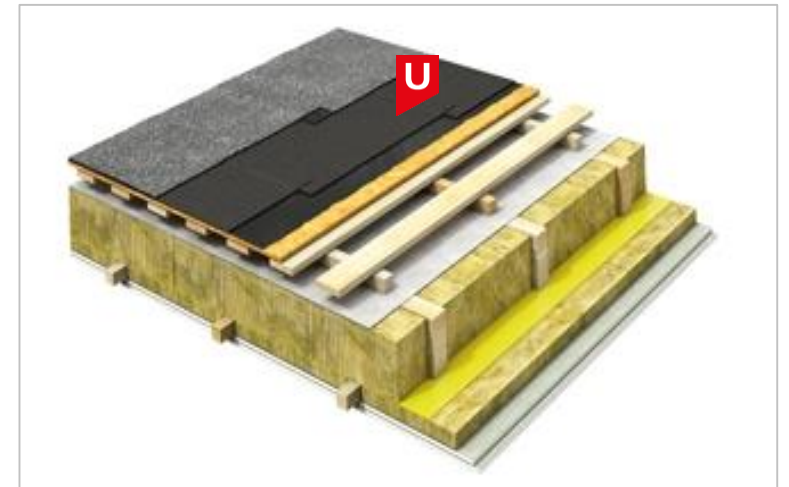
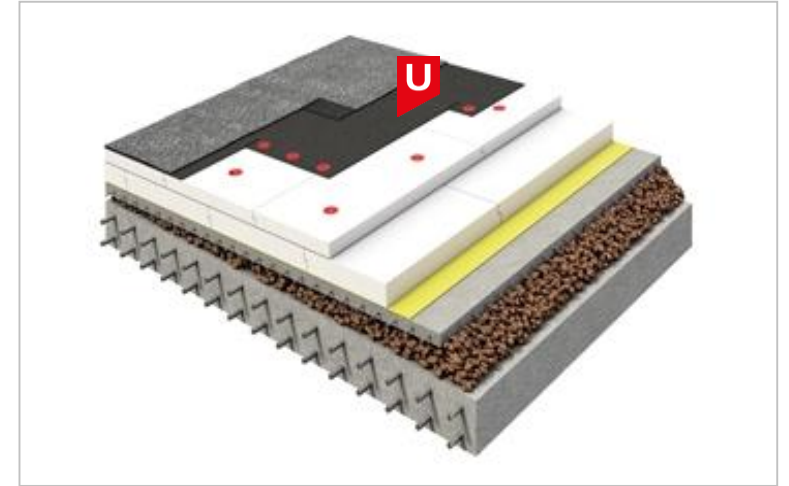
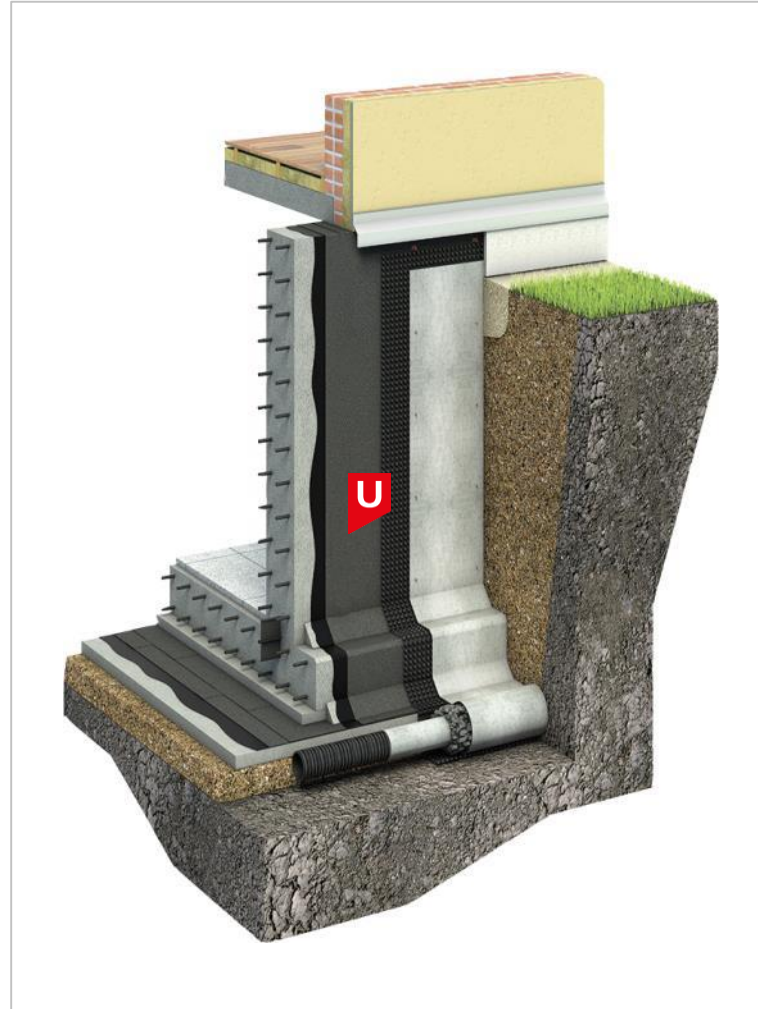
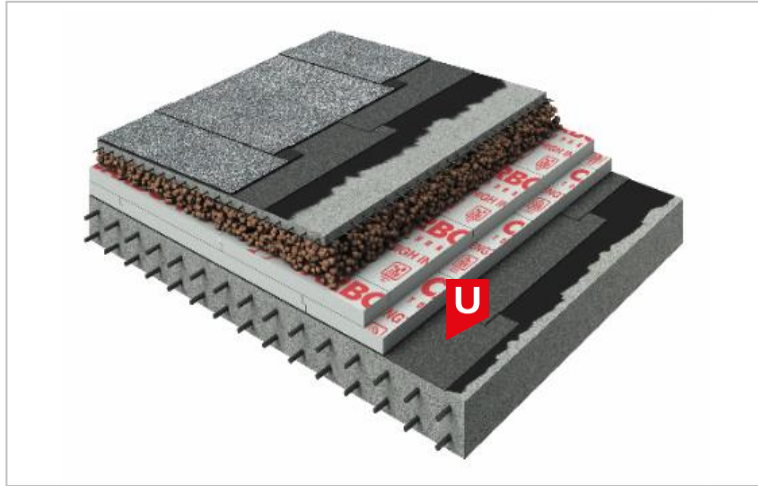
ADVANTAGES:

- Additional strength granted by polyester reinforcement
- Can be used on bases, where the standard torch-on application is forbidden (wood, OSB boards, XPS, etc.)
- High speed of application
- No need for any additional equipment and skills



PROPERTIES	ULTRAFLEX SA	
Thickness, mm	1.5±0.20	2.0±0.20
Mass per unit area, kg/m ²	1.8±0.20	2.3±0.20
Length x width, m	20 × 1	
Flexibility / flow resistance, °C	≤-20 / ≥90	
Elongation L / T, %	35±20 / 45±20	
Tensile strength L / T, N/50 mm	400±100 / 300±100	
Protective covering type on the top	polymer film or sand	

SOLUTION EXAMPLES:



ULTRAFLEX SA ALU

Self-adhesive glass fiber reinforced SBS-modified bitumen membrane is used as an underlay on pitched roofs and as a vapor barrier. Could also be used on top of metal corrugated sheeting with adhering to the whole surface of corrugations (not only on the upper edge of the profiled sheet). On the top side, the membrane is covered with the combination of PET film and aluminium foil. The bottom surface of the material is covered with an easy-removable protective film.

MATERIAL STRUCTURE:

1. **Combination of PET film and aluminium foil**
Protects the waterproofing layer from mechanical damage and provides solar reflection properties to the material
2. **Polymer-bitumen compound**
Provides reliable waterproofing
3. **Glass fiber**
Makes the material stable to linear deformations
4. **Self-adhesive polymer-bitumen compound**
Allows installation of the material on combustible surfaces
5. **Easy-removable protective film**
Used for underside surface protection from sticking in the roll

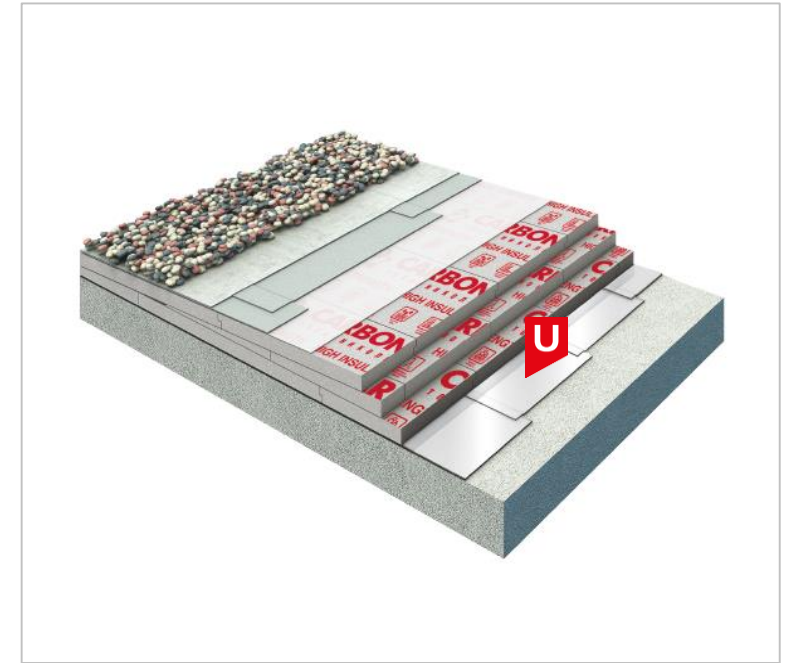
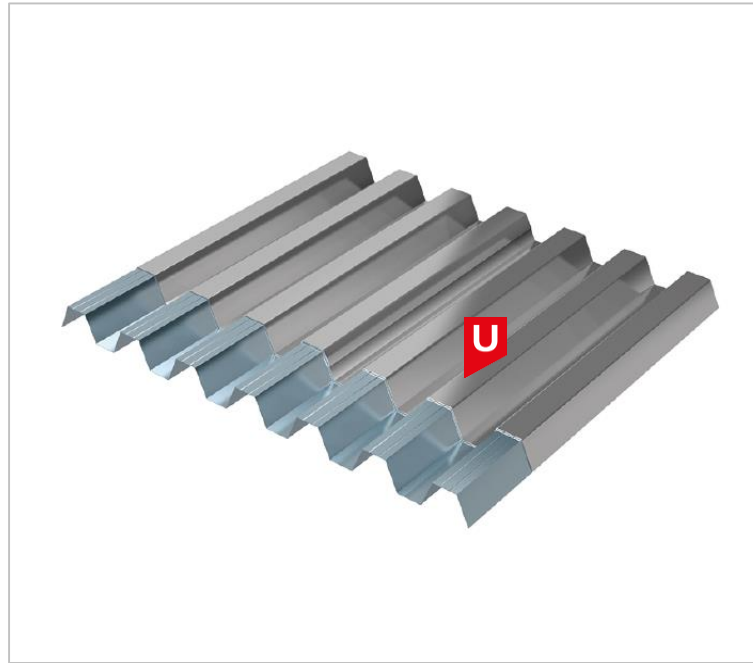
ADVANTAGES:

- Additional dimensional stability granted by glass fiber reinforcement
- Provides solar reflection
- High speed of application
- Can be used on bases, where the standard torch-on application is forbidden
- Safe and cheap application



PROPERTIES	ULTRAFLEX SA ALU
Thickness, mm	1.5±0.20
Mass per unit area, kg/m ²	1.8±0.20
Length x width, m	20 × 1
Flexibility / flow resistance, °C	≤-20 / ≥90
Elongation L / T, %	4±2 / 4±2
Tensile strength L / T, N/50 mm	500±150 / 300±150
Protective covering type on the top	PET film + aluminium foil

SOLUTION EXAMPLES:



VAPORSTOP CA 500

Self-adhesive glass net reinforced SBS-modified bitumen membrane is used as a high-performance vapor barrier in roof waterproofing systems. The membrane is protected on the bottom side with an easily removable siliconized film, while the top surface is covered with aluminium foil. Self-adhesive bottom surface and high tensile strength ensure the ability of the material to withstand the weight of the person standing between the corrugations of the profiled metal deck without breaking or stretching.

MATERIAL STRUCTURE:

1. **High-performance reinforced aluminium foil**
Grants additional strength to the material, protect the bitumen compound from damage by UV and provides effective vapor insulation
2. **Self-adhesive polymer-bitumen compound**
Provides excellent adhesion, prevents the material from shifting and reliably seals the overlaps for many decades
3. **Easy-removable protective film**
Used for underside surface protection from sticking in the roll

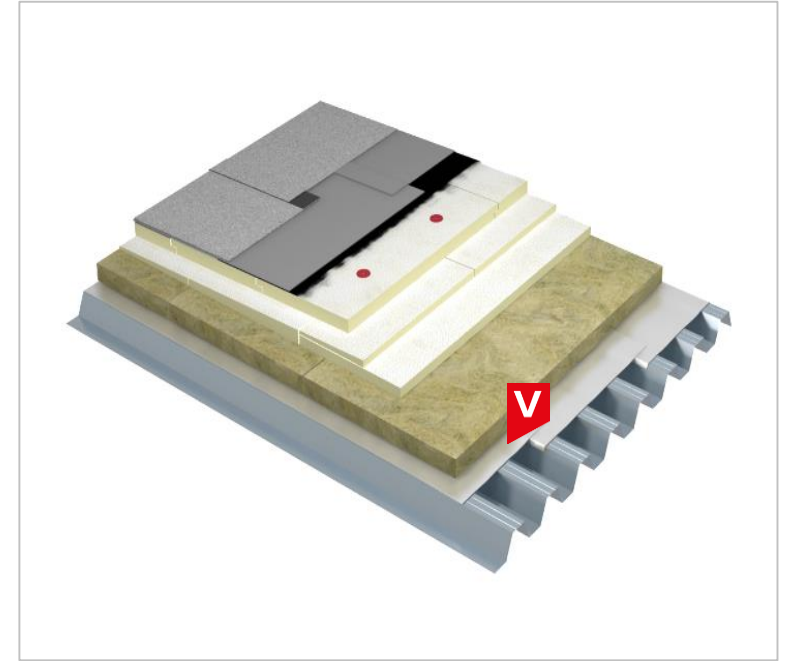
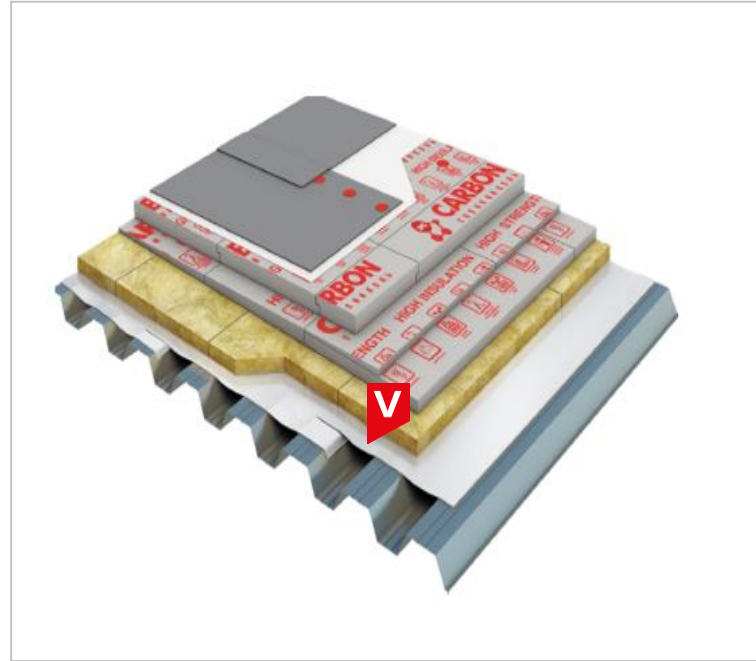
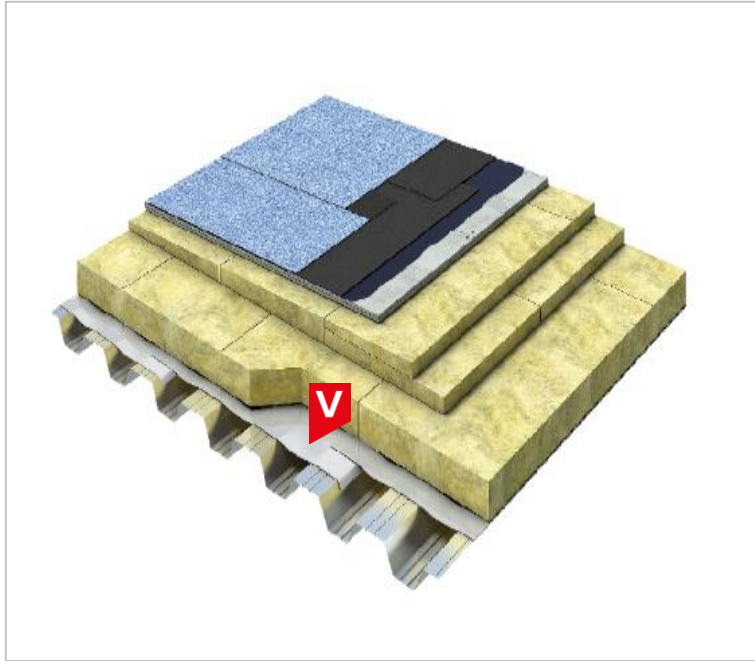
ADVANTAGES:

- Provides very effective vapor insulation
- High tensile strength
- Reliable adhesion properties
- Can be used in combination with any thermal insulation and waterproofing material
- High speed of application
- Resistant to accidental burning



PROPERTIES	VAPORSTOP CA 500
Mass per unit area, kg/m ²	0.5±0.10
Length x width, m	50 × 1.08
Flexibility / flow resistance, °C	≤-25 / ≥90
Elongation L / T, %	≥2.0 / ≥2.0
Tensile strength L / T, N/50 mm	600±120 / 600±120
Peel resistance of joints, N/50mm	≥50
Protective covering type on the top	aluminium foil

SOLUTION EXAMPLES:



VAPORSTOP CA 500:

Convenience, simplicity and safety of installation of the membrane are due to the special adhesive polymer-bitumen layer, which allows installation of the material without additional equipment.



Cut the siliconized anti-adhesion film at the distance of 30-40 cm from the beginning of the roll by means of roofing knife.



Remove the protective film from the edge of the roll and attach the membrane to the surface.



Press the place of the first adhesion by roller for the whole width of the membrane.



Continue attaching membrane to the base. One worker pulls the film off, while the other smooths the membrane by brush.

THANK YOU FOR ATTENTION!

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