

# Root Membrane

## Root barrier membrane

### Description :

Isola Root Membrane has a core of strong polyester felt. The core is impregnated and then coated with SBS elastomeric asphalt. The upper side is sprinkled with sand and has an overlap edge of 10 cm with a thin plastic film. The plastic film is melted by welding the overlap. The underside is covered with thin plastic film. The product has root-resistance properties documented in accordance with FLL testing and NS-EN 139481.



### Application :

Isola Root Membrane is used in structures where there is a risk of roots from living plants damaging an ordinary membrane, such as green roofs, sedum roofs, roof gardens and turf roofs.

### Storage :

Root Membrane must be stored upright on pallets. Pallets can be stored in stacks of two with a supporting separator plate between the pallets. The product has limited UV resistance and should always be covered after the construction period.

### Approvals and guarantee



### Installation :

Isola Root Membrane is welded together to form a fully impermeable layer. Welding is done in the same way as for Mestertekk. Isola Root Membrane is laid loosely on the substrate and held in place by the structure above it. The overlaps must be 10 cm with full welding across their entire width. Spot welding to the substrate is performed during installation to prevent bulges and uneven surfaces. Preheating, stretching, details and transitions are performed in the same way as for Mestertekk. When fitting under a sedum roof, the coating must also be mechanically fastened to secure it against wind and water.

For more details see laying instruction on our website.

### Accessories :

Isola Primer 20ltr  
Isola Fugemasse 310ml  
Underlag Flexitett (rull)  
Flexitett Lapp  
Gummimansjett med Slangeklemme  
More accessories on our website.

# Root Membrane<sup>520146</sup>

Product data	Value	Designation
Cover width	100	mm
Width	1000	mm
Length in mm	8000	mm
Weight (per unit)	39200	g
Material	SBS asfalt med polyesterstamme	-
Min roof angle	0	°
Surface	Fine-grained special sand	-
Thickness	4,0	mm
Weight pr. m2	4900	g

Properties	Method	Unit	Value
Root resistance FLL test	-	-	Approved
Root resistance in accordance with NS-EN 13948	-	-	Approved
External fire performance according to EN 13501-5	EN 13501-5	-	Froof*
Euro fire class according to EN 13501-1	EN 13501-1	-	E
Resistance to water penetration	EN-1928	-	Pass
Tensile strength MD	EN-12311-1	N/50 mm	1100 ± 200
Tensile strength CMD	EN-12311-1	N/50 mm	1100 ± 200
Elongation At Maximum Tensile Force MD	EN: 12311:1	%	50 ± 10
Elongation At Maximum Tensile Force CMD	EN: 12311:1	%	50 ± 10
Tear resistance MD	EN-12310-1	N	220 ± 50
Tear resistance CMD	EN-12310-1	N	220 ± 50
Flow resistance at elevated temperature after artificial ageing	EN-1110	mm at 90 °C	0
Dangerous Substances	No method available	-	None

