Sveisemembran

Waterproofing in structures

Description:

The product has a strong core of polyester felt that is impregnated and coated with SBS elastomeric asphalt. Sveisemembran has a 10 cm weld overlap and the surface is covered with sand. The underside has an extra-thick asphalt layer that ensures good adhesion to a primed substrate. Road asphalt can be laid directly onto Isola Welded Membrane. The product absorbs pushing forces caused by vehicle braking. Approved by the Norwegian Public Roads Administration as full moisture protection in class A3-2.

Application:

Isola Sveisemembran is used in structures where a firm seal is required over the entire surface between the membrane and substrate, such as on bridges, parking slabs, concrete arches, tunnels, culverts etc. When the membrane is correctly installed on a primed concrete slab, road asphalt can be machine-laid directly on top. If the product has been correctly installed, it will tolerate standing water under high pressure.

Storage:

Isola Sveisemembran must be stored upright on pallets

Installation:

See separate installation instructions.

Fore more details see laying instruction on our website.

Approvals and guarantee

TG 2452

Sveisemembran530325

Product data	Value	Designation
Width	1000	mm
Length in mm	7000	mm
Weight (per unit)	41600	g
Material	SBS asfalt med polyesterstamme	-
Surface	Fine-grained special sand	-
Thickness	4,7	mm
Weight pr. m2	5900	g

Properties	Method	Unit	Value
Adhesion	-	mPa	≥ 0,6
Dynamisk vanntrykk	-	-	Tett
Dimensjonsstabilitet (%)	-	%	-0,4 < x < 0,25
Skjærstyrke mPa	-	mPa	≥ 0,20
Sd-value	-	m	591
External fire performance according to EN 13501-5	EN 13501-5	-	Froof*
Euro fire class according to EN 13501-1	EN 13501-1	-	F
Resistance to water penetration	EN-1928	-	Pass
Tensile strength MD	EN-12311-1	N/50 mm	1050± 20%
Tensile strength CMD	EN-12311-1	N/50 mm	1000 ± 20%
Elongation At Maximum Tensile Force MD	EN: 12311:1	%	40 ± 10
Elongation At Maximum Tensile Force CMD	EN: 12311:1	%	40 ± 10
Tear resistance MD	EN-12310-1	N	450 ± 25%
Tear resistance CMD	EN-12310-1	N	450 ± 25%
Shear resistance of joints	EN-12317-1	N/50 mm	800 ± 25%
Pliability	EN:1109-1	°C	-20
Flow resistance at elevated temperature after arificial ageing	EN-1110	mm at 90 °C	0
Resistance to Impact Method A	EN-12691	mm	1500
Dangerous Substances	No method available	-	None
Resistance to static loading Method A	EN-12730	kg	20