

DWI**DERMABIT®**
WATERPROOFING IND.

ELASPHALT 5260 SL

An SBS modified bituminous membrane specially formulated for the waterproofing of bridge decks and tested as per EN 14695



GENERAL DESCRIPTION

A high performance waterproofing membrane specially designed for low temperature climates where its retained malleability makes it easy to apply at sub-zero temperatures. **ELASPHALT 5260 SL** is specially formulated for the waterproofing of bridge decks, viaducts, aqua ducts and also for multi-storey car parks and other applications that demand a dimensionally stable membrane with high impact resistant and overall toughness. It is also most suitable for foundation works and basements where high flexibility is needed for shaping corners, etc.

SPECIAL FEATURES

- Positive vapour barrier, specially designed for bridge deck waterproofing and does not require any protection system when applied under asphalt wearing course.
- Excellent resistance to atmospheric agents.
- High flexibility at low temperatures with no physical strains.
- High malleability making it entirely suitable for difficult basement and foundation works.
- Maintains shape stability at high temperatures.
- Resistant to water borne chemical attack.
- Resistant to acids, sulphates & chlorides.
- Accommodates structural movements.
- High resistance to traffic and site abuse.
- Ideal bridge deck waterproofing.
- Withstand thermal shocks.

CONFORMITY

ELASPHALT 5260 SL carries a CE certificate in conformity to **EN 14695-2010** as a bridge deck waterproofing membrane

THICKNESS, SIZE AND SURFACE FINISH

ELASPHALT 5260 SL is available in 1x8m rolls or 1x10m rolls with standard thickness of 5mm. It has a torchable polyethylene film on the back side and comes with natural grey slates.

REINFORCEMENT CORE AND COATING MIXTURE

ELASPHALT 5260 SL waterproofing membrane is reinforced with a 260g of non-woven polyester reinforcement that gives the membrane dimensional stability and resistance to puncture. It is coated with a specially formulated mixture of SBS modified bitumen which makes the membrane resistant to water, atmospheric agents and malleable at low temperature.

APPLICATION

The application of **ELASPHALT 5260 SL** is both easy and quick. Where it is to be laid directly in a one - layer system on concrete deck, a coat of a suitable bitumen Primer at the rate of 200-300g/m² should first be applied. Allow this coating to dry thoroughly. In areas of high humidity we recommend it should be left overnight. The membrane must first be unrolled and laid down on the area to which it is to be applied. Check the orientation carefully. Adjacent rolls should then be laid, each overlapping the one next to it along the factory provided 10cm sedge on the side and 15cm at the ends. Taking care not to change the orientation of each roll, reverse the process until each has been re-rolled. When laying the roll, the lower surface should be heated with a propane torch, using sweeping left to right movements. This will melt the lower surface of the membrane and allow it to stick to the substrate. Continue this process for each subsequent roll, remembering that the overlaps must be 10cm for the edges and 15cm at the ends. When the process is complete, you need to carry out an inspection to ensure total adhesion.

After installation, the **ELASPHALT 5260 SL** must be covered as soon as possible and in all cases within a period not exceeding seven (7) days.

TECHNICAL DATA

DWI products are tested at random intervals by independent laboratories to international standards and the results of these tests are available on request. In addition, each batch manufactured is subject to strict quality control procedures to ensure it meets appropriate and applicable standards and/or norms.

TESTS PERFORMED	PROCEDURE	UNITS	TOLERANCE	VALUE
Visible Defects	EN 1850-1	N°/m ²	0	0
Length	EN 1848-1	m	<-1%	8
Width	EN 1848-1	m	<-1%	1
Straightness	EN 1848-1	mm	<20mm	pass
Reinforcement	-	g/m ²	min	260
Mass Per Unit Area	EN 1848-1	kg/m ²	+/-10%	5.70
Thickness	EN 1848-1	mm	-0.2mm	5.00
Softening Point of Coating Material	ASTM D36	°C	min	>120
Penetration (DOW) of Coating Mixture	ASTM D5	dmm	min	20-35
Water Tightness to Liquid Water	EN 1928-1	kPa	min	>400
Tensile Properties: Max Tensile Force - long	EN 12311-1	N/5cm	-20%	1100
- trans	EN 12311-1	N/5cm	-20%	900
Tensile Properties: Elongation - long	EN 12311-1	%	-15	50
- trans	EN 12311-1	%	-15	55
Resistance to Tearing (Nail Shank) - long	EN 12311-1	N	min	270
- trans	EN 12311-1	N	min	280
Shear Resistance of Joint - long	EN 12311-1	N/5cm	-20%	1100
- trans	EN 12311-1	N/5cm	-20%	900
Resistance to Static Loading (method A)	EN 12730	kg	min	25
Resistance to Impact	EN 12691	mm	mlv	>700
Flexibility at Low Temperature	EN 1109	C	min	-15
Dimensional Stability - long	EN 1107-1	%	max	-0.5
Flow Resistance less than 2mm	EN 1110	C	mlv	100
Water Absorption	ASTM D570	%	min	<0.15
Resistance to Thermal Ageing	Visual	N°	0	pass
Resistance to Ageing due to UV Radiation	Visual	N°	0	pass
Reaction to Fire	EN 13501-1		Euroclass	F



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