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PRODUCT DATA SHEET



bituflex[®]

TS EN 15814

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PRODUCT DESCRIPTION	A flexible, solvent-free, water-based waterproofing material consisting of a polymer-modified bitumen-based, two-component which are bitumen emulsion and hardener solution.			
MATERIAL PROPERTY	It has ability to self-repair at high temperatures (+50, +60) and low temperatures (-10-20). Radon is impermeable, seawater resistant, can be applied on inclined, horizontal and vertical surfaces.			
USAGE	It is used in underground applications such as foundations, curtain walls and basements, in the insulation of surfaces that are under the ground and in contact with water.			
APPLICATION METHOD	Before the application of Bituflex, drums or IBC and accelerator vessel should be mixed by slow rotation. The mixing or circulation process can be done by application machine as well. The proper suction hoses should be submerged into the each component. The components sprayed out by separated nozzles. In the case of using primer, the accelerator part or valve should be switched off and only bitumen emulsion part should be sprayed out approximately 200-250 g/m ² . The suitable drying time for primer at 23 C ⁰ is one hour.			
STORAGE	The shelf life of bituflex is 12 months. The product should be protected against frost, should be stored under closed areas. The storage temperature is between +10 C ⁰ and +35C ⁰			
CONSUMPTION	8,5 kg / m2 for 5mm film thickness on horizontal surfaces, consumption for rough surfaces may vary.			
PACKAGING	1000 kg tank, 200 kg drum			
TEST	METHOD	UNIT	TOLERANCE	VALUES
Water Resistance	TS EN 15817	-	-	pass
Flexibility at low Temperatures (0 °C)	TS EN 15813	-	-	pass
Dimensional Stability at High Temperatures (70 °C)	TS EN 15818	-	-	pass
Resistance to Compression	TS EN 15815	class	-	C2B
Reduction of Layer Thickness when fully dried	TS EN 15819	%	-	≤50
Reaction to Fire	TS EN 13501-1	class	-	E
Watertightness	TS EN 15820	class	-	W2B
Crack Bridging Ability	TS EN 15812	class	-	CB 2
Resistance to Rain	TS EN 15816	class	-	R3
Density	TS 132	gr/cm ³	±0,02	1,05
Solid Content	TS 132	%	±2	63
Viscosity (20 °C)	ASTM D 2196-99	cP	-	100-200
Elongation	ASTM D 412& EN ISO 527-3	%	-	>1200
Recovery Rate	ASTM D 412	%	Min.	80
Tensile Strength	ASTM D 412	Mpa	Min.	0,1
Flexibility at low Temperatures	ASTM D 522	°C	Max.	-20
Resistance to Water Pressure	DIN 52123	atm	Min.	> 1 atm, 24 h
Fow (100 °C)	DIN 52123	-	-	No Flow
Stagnant Water Resistance	ASTM D 2939	-	-	Pass
Heat Resistance	ASTM D 2939	°C	Min.	90
Application Temperature	-	°C	-	5 - 40

* For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet

The manufacturer serves the right to modify, at any time, the characteristics of its products

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