

- **DESCRIPTION**

PLASTIFLAME E range of SBS modified bitumen waterproofing membranes are manufactured from a rich mixture of bitumen and selected polymers blended together to obtain excellent temperature stability and cold temperature flexibility. Polymerized bitumen then coated onto a dimensionally stable non woven polyester carrier to obtain excellent tensile strength, tear and puncture resistance. Top surface is slate granules to protect the membrane from UV and heat when exposed.

- **USES**

PLASTIFLAME is used as waterproofing/damp proofing membrane for protection of various substrates in wide range of applications i.e. inverted roofs, terraces, balconies, sunken slabs, patios, concrete foundations, basements, pile heads, swimming pools, bridges, tunnels, airport aprons and ramps.

- **INSTRUCTION FOR APPLICATION**

Application procedure may vary depending upon site conditions. General application guideline is given below.

Surface Preparation

The surface where the membrane will be installed shall be clean and dry. All surface imperfections and protrusions are to be removed and repaired. Structurally unsound and friable concrete must be removed and repaired with suitable repair mortar.

Priming

Apply Bitukote Bitumen Primer @ 3-5 m² per liter to a clean, smooth and dry surface by brush, roller or spray. Refer primer data sheet for more details. Allow primer to dry. Alternatively solvent based bitumen primer as per ASTM D 41 can be used.

Alignment

Unroll and align PLASTIFLAME E rolls and re roll correctly before torching. Overlap should be 80mm to 100mm and end lap should be 100 to 150mm.

Torching

Use gas burner to heat substrate and underside of PLASTIFLAME E. Embossing on the lower face of the membrane allows a fast and safe laying. When embossing disappears, after torching, the membrane is ready to stick. Roll forward and press firmly against the substrate to bond. DO NOT over torch as this will expose the reinforcement in the membrane and cause damage.

Sealing

Heat both the overlaps and use round tipped trowel to seal the overlap. Excess compound should be smoothed and pressed into seam using hot trowel.

Upstand

All angles and abutments should be sealed with extra care to ensure full bondage. Seal the edges well into the grooves and protect with Bitumastic or Polysulphide sealant.

- **STANDARDS**

Plastiflame E membranes conform to the requirements of ASTM D 6163

- **STORAGE**

Plastiflame E should be stored vertically in clean covered area. Rolls should not be stacked on top of each other.

- **HEALTH & SAFETY**

All safety measures should be observed during application. Fire extinguishers should be available at site. Care should be taken with gas and torch should not be rested on finished surface or on any materials that can be scorched by flame or hot torch. Protective tools, such as gloves and goggles should be worn by all workers during application.

PLASTIFLAME E 3MM SLATED GREY TECHNICAL DATA

PROPERTIES	VALUES	STANDARD
Roll Size – m	10 x 1	
Thickness – mm	3.0	
Unit weight – Kg/m ²	3.2 – 3.3	UEAtc
Carrier (Glass fiber) weight g/m ²	60	UEAtc
Coating Asphalt	SBS modified asphalt	
Softening Point (R&B) °C	115	ASTM D 36
Penetration at 25°C, 0.1mm	20 – 40	ASTM D 5
Tensile Strength (L/T), N/5cm	350/250	UEAtc
Lap Joint Strength (L/T), N/5cm	>300/250	UEAtc
Tear Resistance (L/T), N	60/80	UEAtc
Puncture resistance	Static : L ₃ Dynamic : I ₃	UEAtc
Resistance leakage at joints	Pass	UEAtc
Resistance to water pressure	No Leakage	DIN 52123
Water absorption, % (BSP)	< 0.2	ASTM D 5147
Heat resistance at 100°C	No flow	UEAtc
Cold Temperature Flexibility	< -10	UEAtc

Tolerance according standards 5 – 20%

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Manufactured by

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Certified Manufacturer