

Dictagum 40 MS

Mineral-surfaced bituminous torch-on waterproofing membrane

Product Properties

- 4-mm polymer-modified bituminous waterproofing membrane
- Surfaced with natural color slates to provide protection against UV and light foot traffic
- High resistance to water and vapour pressure
- Polyester-reinforced for tensile strength
- Excellent flexibility for withstanding substrate movements
- Tear- and puncture-resistant
- Easy torch-on installation
- Chemical resistance

Areas of Application

- Roof slabs
- Terraces, patios & parapets

Approval / Standard

- SIRIM certified - Test method: Adopted to BS EN 1928:2000
Flexible sheets for waterproofing – bitumen, plastics and rubber sheets for roof waterproofing-
Determination of water tightness.

Application

Substrate Preparation

The substrate must be sound, firm, clean and free of all loose particles, dust, cement laitance, oil and other contaminants. All sharp protuberances and concrete waste droppings must be removed. After removal of weak and loose substrates, re-profiling must be carried out with a suitable cementitious mortar and allowed to cure prior to waterproofing works.

R.C. slabs or screeds must be cast to fall prior to installation of membrane.

Priming & Application

For torch-on bonded applications, prime the concrete substrate with Dictagum Primer using a roller. Allow to dry completely and apply the membrane as soon as possible to prevent re-accumulation of dust, dirt and debris.

Starting from the lowest point, unroll the membrane with the torching surface (PE film side) against the substrate. Re-roll half-way and begin torching until beading of liquid bitumen occurs at the bonding junction. Unroll forward, pressing the torched membrane firmly against the substrate. Move the flame constantly and avoid over-heating. Re-roll the opposite end and repeat this procedure.

Overlaps and Sealing of Joints

With follow-on membranes, unroll against the installed piece and align properly allowing for overlap requirements. Maintain laps of 150 mm at roll ends and 100 mm at sides. Make sure end joints are staggered and avoid 4-corner overlaps.

Apply the torch to both overlap surfaces and take extra caution to ensure full bonding between membranes is achieved. Use a round-tipped heated trowel to push molten beads into the seams.

Any unbonded area must be lifted and re-torched. Do not attempt to achieve welding by heating the top surface of the membrane.

Up-stands

Cement-sand fillet shall be installed at all angles and corners. Dictagum 40 MS shall be lapped with the base membrane and extended upwards on parapets and tucked into a groove cut into concrete. The grooves shall then be sealed with a suitable sealant.

Protection

For weather-exposed applications, no protection is needed as Dictagum 40 MS is resistant to UV & light foot traffic.

Marketed by :

MC Bauchemie (Malaysia) Sdn Bhd (386385-M)

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Technical Data for Dictagum 40 MS

Characteristics	Unit	Value	Comments
Thickness	mm	~ 4.0	DIN EN 1849-1
Polyester Reinforcement	g/m ²	~ 140	EN 29073-1
Tensile Strength	N/5 cm	400 / 300	Longitudinal / Transverse DIN EN 12311-1
Elongation at Break	%	25 / 35	Longitudinal / Transverse DIN EN 12311-1
Tear Resistance	N	130 / 150	Longitudinal / Transverse DIN EN 12310-1
Shear Resistance at Joints	N/5 cm	400 / 300	Longitudinal / Transverse DIN EN 12317-1
Resistance to Static Loading		Static : L ₂₅	DIN EN 12730

Product Characteristics for Dictagum 40 MS

Type of Membrane	Polyester-reinforced polymer-modified bituminous sheets
Appearance	Black with natural color slate finish
Form of Delivery	1 m x 10 m rolls (approx. 45 kg per roll)
Shelf-life & Storage	Can be stored for 12 months if stored vertically in original unopened rolls in cool dry conditions, away from direct sunlight.

Property specifications are based on laboratory tests and may vary in practical applications. To determine the individual technical suitability, trials should be carried out under the application conditions.

Safety Advice

Please take notice of the safety information and advice given on the packaging labels and safety information sheets.

Note: Bespoke vendor supplies. The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 07/20. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.

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