

Dictagum 15 SA

Self-adhesive polymer modified bituminous waterproofing membrane

Product Properties

- Self-adhesive polymer modified bituminous waterproofing sheet membrane
- Excellent adhesion to vertical and horizontal surfaces
- Excellent resistance to chlorides, sulphates, dilute alkalis and acids
- Good tear and puncture resistance
- Water and vapour proof
- Cold applied, self-adhesive and easy to apply

Areas of Application

- Horizontal and vertical application for tanking below ground structures, subways and retaining walls.

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 Notes

Substrate Preparation

The substrate must be sound, firm, clean and free of all loose particles, dust, cement laitance, oil and other contaminants. All surface imperfections, protrusions, structurally unsound and friable concrete must be removed and repaired with a suitable concrete repair mortar.

Priming

Apply Dictagum SB primer @ 4-6m² / litre to a clean smooth and dry surface by brush, roller or spray. Allow the primer to dry prior to the application of the membrane. As the viscosity of the primer is low, it easily penetrates into the concrete pores which promote the adhesion between the membrane and the concrete surface. In addition, the primer also acts as a binder for the dust which gets accumulated on the surface even after cleaning.

Alignment

Start the installation of all membrane plies from the low point or drains, so that the flow of water is over or parallel to the plies, but never against the laps. All overlaps at the membrane seams shall be installed so as to have "up" slope laps over "down" slope laps. Begin membrane application by unrolling the roll of Dictagum 15 SA membrane and aligning the side laps.

Application

Peel off the release film from the self adhesive side and start unrolling the membrane and press it to the surface. Smoothen the membrane from the center to the edges with a wooden press in order to remove any entrapped air. Furthermore, an iron roller shall be used for rolling on top of the applied membrane to ensure a proper and strong adhesion of the bitumen compound with the base surface. Side overlaps shall be a minimum of 50mm on the selvedge and end overlaps 100mm.

Protection

The membrane shall be protected from damage due to ongoing site activities or from aggregates during backfilling by a tough, weather, warp and rot proof asphaltic protection board. Alternatively, on horizontal areas the membrane can also be protected by laying a cement sand screed (50mm).

Technical Data for Dictagum 15 SA

Characteristic	Unit	Value	Comments
Thickness	mm	1.5	DIN EN 1849-1
Mass per Unit Area	kg/m ²	1.6	DIN EN 1849-1
Tensile Strength	N/mm ²	20/20	Longitudinal / Transverse ASTM D 882
Elongation at Break	%	300/300	Longitudinal / Transverse ASTM D 882
Tear Strength	N/mm	120/110	Longitudinal / Transverse DIN EN 12310-1
Puncture Resistance	N	>220	ASTM E 154
Water Absorption @ 24 hrs	%	0.14	ASTM D 570
Chemical Resistance	pH	2.5-11.5	ASTM D 543
Adhesion Strength	N/mm	1.8/2.2	Primed Substrate/Self ASTM D 1000
Softening Point	°C	>105	ASTM D36
Low Temperature Flexibility	°C	≤-15	ASTM D 1970
Hydrostatic Pressure @ 5 bar (50m)		No leakage	BS EN 12390 (Part 8)

*All values given are subject to 5-10% variation

Product Characteristics for Dictagum 15 SA

Type of Membrane	Self adhesive bituminous membrane
Form of Delivery	1 m x 20 m rolls (approx. 32 kg per roll)
Shelf-life & Storage	12 months if stored vertically in a shaded area on wooden pallets neatly covered by a thick fabric in a cold 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 note 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.

Marketed by :

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

Lot S113, 2nd Floor, Centrepoint, No.3 Lebuhr Bandar Utama, Bandar Utama, 47800 Petaling Jaya, Selangor, Malaysia

Tel: +603 7728 1233 Fax: +603 7728 6833 Email : enquiry@mc-bauchemie.com.my