



BE SURE. BUILD SURE.

MC-Nafuplan 403 TP (Previously known as Dictagum 30 SF)

Sand finish Bituminous Torch-on Waterproofing Membrane

Product Properties

- 3 mm APP-modified bituminous waterproofing membrane with Sanded finish
- High resistance to water and vapour pressure, installation of vent pipe is recommended.
- 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
- Basements and foundations
- Cut-and-cover tunnels

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 sharp protruberances 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.

Priming & Application

For torch-on bonded applications, prime the concrete substrate with Nafuflex Primer WB 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.

Protection

For weather-exposed applications, MC-Nafuplan 403 TP shall be protected with a cement-sand screed.



BE SURE. BUILD SURE.

Technical Data for MC-Nafuplan 403 TP

Characteristic	Unit	Value	Comments
Thickness	mm	~3.0	EN 1849-1
Polyester Reinforcement	g/m ²	~160	
Tensile Strength	N/5 cm	600 / 450	Longitudinal / Transverse EN 12311-1
Elongation at Break	%	35 / 35	Longitudinal / Transverse EN 12311-1
Tear Resistance	N	170 / 170	Longitudinal / Transverse EN 12310-1
Watertightness (A)	kPa	60	No Leakage EN 1928
Dimension stability	%	0.3 / 0.3	Longitudinal / Transverse EN 1107-1 met A
Resistance to Impact	mm	800	EN 12691
Reaction to fire	Class	E	EN 13501-1
External fire performance	Class	F Roof	EN 13501-5
Flexibility at low temperature after Aging	°C	110	EN 1296 / EN 1110

Product Characteristics for MC-Nafuplan 403 TP

Type of Membrane	Polyester-reinforced APP-modified bituminous sheets
Appearance	Black with Sanded-finish
Form of Delivery	1 m x 10 m rolls (approx. 30 kg per roll) 25 rolls Pallet
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 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 06/24. 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.