



ARDEX WPM 195

SBS Torch-Applied Tanking Membrane

Modified Bitumen Tanking Membrane

CE Certification

CodeMark Certification (No. AQ-021216-CMNZ)

Positive Vapour Barrier

High Resistance to Thermal Ageing

High Resistance to Cracking

Excellent Elongation and Flexibility

4mm Gauge

Sand Finish



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PRODUCT DESCRIPTION

ARDEX WPM 195 is a high performance Styrene-Butadiene-Styrene (SBS) bituminous compound modified with adhesive elastoplastomeric polymers its excellent quality is highlighted by two indicators: cold flexibility and high adhesiveness. ARDEX WPM 195 is suitable for application in all climatic zones, with excellent cold flexibility (- 20° C) enables an easy application and allows the membrane to be ideally suited to be applied in areas with harsh climates.

The exceptional elongation properties of SBS combined with the strength and dimensional stability of the reinforcing provides an excellent waterproofing membrane in below ground applications. ARDEX WPM 195 is coated with a sanded polymeric film PE/PP, while the bottom surface is embossed and protected by a heat sensitive polythene film.

ARDEX WPM 195 also has the European CE certification for use as a tanking membrane.

FEATURES/BENEFITS

- Complies with BS EN 13969:2004
- European CE certification - GB06/69203
- CodeMark Certification (No. AQ-021216-CMNZ)
- Excellent resistance to atmosphere agents
- Excellent resistance to geothermal gas including Hydrogen Sulphide
- High flexibility during application at sub-zero temperature with no physical strains
- High malleability
- Accommodates structural movements
- Resistant to chemical attacks
- Withstand thermal shocks
- Proven performance in colder regions
- Good elongation and flexibility

USES

ARDEX WPM 195 is used as a single layer or multi-layer membrane in horizontal or vertical applications for waterproofing for below ground tanking. It is primarily applied to the outside of a sub-structure of a building, such as a foundation or basement to prevent water ingress.

Other forms of tanking where ARDEX 195 can be used include under floor slabs, behind masonry walls, the lining of substrates of in situ or precast concrete; retaining walls, lift shafts, tunnels, living roofs and planter boxes.

ARDEX WPM195 membrane must be protected from UV.

SURFACE PREPARATION

Substrates need to be clean, smooth, dry and free of sharp edges, loose or foreign materials, oil, grease and other materials that may damage the membrane. All surface voids greater than 5mm wide shall be properly filled with an acceptable fill material.

Confirm concrete structures are specifically engineered to meet the requirements of the NZBC B1/VM1, 3.0 Concrete.

Ensure concrete substrate has been allowed to cure for at least 28 days before commencing application. The relative humidity of concrete substrates must be 75% or less before membrane application to NZBC E2/AS1, 10.0 Construction moisture. Take a measurement using a hygrometer to verify concrete has sufficiently

dried when necessary. This process is essential.

The above criteria do not apply if ARDEX WPM 195 is loose-laid on lean site concrete.

ARDEX do not recommend the use of curing compounds; however, when used ensure all traces of compound are gone or removed. Concrete to be finished to NZS 3114, U3 with a light trowel texture. The concrete to have all ridges and protrusions stoned flush.

INSTALLATION

The application of ARDEX WPM 195 should be carried out by an approved ARDEX Applicator.

Installation shall be undertaken in accordance with all relevant technical information related to the selected installation method, including information contained within the ARDEX specification.

Prior to the application of ARDEX WPM 195 the surface may require priming with ARDEX WPM 240 (Shelter Primer). Coverage of primer will depend on the porosity of the substrate.

ARDEX WPM 195 is normally fully bonded to the prepared substrate with side laps of 100mm and end laps of 150mm. Overlaps shall be sealed by torch.

ARDEX WPM 195 may be used in various combinations to produce a variety of specifications tailored to suit the individual waterproofing need.

The exact specification will depend on functional and economic requirements. Advice should be sought for suitable specification from ARDEX.

STORAGE

All rolls of ARDEX WPM 195 should be stored in a covered area protected against sunlight and UV radiation. Rolls should be stored in a vertical position on a smooth floor so as not to damage the edges.

PACKAGING

Roll size: 1m x 8m

Roll weight: Approximately 40kg

Rolls per pallet: 25

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TECHNICAL CHARACTERISTICS

| CHARACTERISTIC | TEST METHOD | UNITS | NOMINAL VALUES | TOLERANCES |
|--|-------------------|------------|-----------------|--------------|
| Visible defects | EN 1850-1 | visible | Without defects | |
| Length | EN 1848-1 | m | 8 -1% | MLV |
| Width | EN 1848-1 | m | 1 -1% | MLV |
| Straightness | EN 1848-1 | mm | 20 mm x 8 m | MLV |
| Thickness | EN 1849-1 | mm | 4 | ± |
| Watertightness (A) | EN 1928 | kPa | 60 | MLV |
| Shear resistance longitudinal / transversal | EN 12317-1 | N/50 mm | 650 / 450 | ± 20% |
| Water vapour transmission proprieties Method A | EN 1931 | μ / Sd (m) | 120.000 / 480 | -20.000 |
| Tensile Strength Longitudinal / Transversal | EN 12311-1 | N/50 mm | 750 / 550 | ± 20% |
| Elongation at break Longitudinal / Transversal | EN 12311-1 | % | 45 / 45 | - 15 absolut |
| Resistance to impact | EN 12691 | mm | 900 | MLV |
| Resistance to static loading Method A | EN 12730 | Kg | 15 | MLV |
| Resistance to tearing (nail shank) | EN 12310-1 | N | 180 / 180 | - 30% |
| Dimensional stability Longitudinal / Transversal | EN 1107-1 met. A | % | ± 0,3 % | MLV |
| Flexibility at low temperature | EN 1109 | °C | -20 | MLV |
| Flow resistance at elevated temperature | EN 1110 | °C | 90 | MLV |
| Durability of watertightness against artificial ageing | EN 1296 / EN 1928 | kPa | 60 | MLV |
| Durability of watertightness against chemicals | EN 1847 / EN 1928 | Kpa | 60 | MLV |

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