



Technical Data Sheet

CARRIER-LESS MEMBRANES

CLM 30, CLM 40, CLM 50, CLM 60
SBS modified

DESCRIPTION

A high performance, elastomeric (SBS) bituminous, non reinforced membrane. The elastomeric compound provides an elongation of more than 1000 % with more than 90 % elastic recovery.

FEATURES

- Specially designed for high rate of expansion
- Superior elongation.
- Excellent elastic recovery
Durable and easy to apply
- Remarkable resistance to aggressive attack
of salts and chemicals.

FUNCTIONS

Ideal to use as a single and/or double layer inverted roofing for pre-cast buildings with high of expansion. It can also be used as expansion joint reinforcement. AWAZEL CLM is a typical waterproofing material for all types of waterproofing and damp-proofing applications in basements and roofs. We recommend to use double layers in basements.

INSTRUCTIONS FOR APPLICATION

These membrane should be installed loose-laid by torch welding to obtain full benefit from the superior elasticity of the membrane. Only the lap joints, areas around penetrations (pipes etc), upstands and a 30 cm wide strip around the perimeter of the work should be fully bonded. AWAZEL PRIMER D41 is applied to areas where full bonding will occur.

Upstands and flashings should be installed using 1m wide pieces cut from the length of the roll.

COVERAGE

1.12 meter per layer : for flat surfaces

HEALTH & SAFETY

All safety measures should be observed during application. Fire extinguishers should be available at the site. Protective gear, such as gloves and goggles, should be worn by personnel during application.

PRECAUTIONS

No special precautions are needed.

PACKING

Supplied in rolls of 10x1 or 8x1 meter Long. Packed on carton box.

SURFACING

The following surfacing options are available:
- PP Film on top and PE Film at bottom
- PE Film on both sides

STORAGE & MATERIAL HANDLING

The rolls should be stored in a shaded area in the original packing. Rolls should not be stacked one over another.

MR151604

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TECHNICAL DATA

| Properties | Typical Results | | | | Test Method |
|--|--|--------|--------|--------|-----------------------|
| | CLM 30 | CLM 40 | CLM 50 | CLM 60 | |
| Roll size, m | 10 x 1 | 10 x 1 | 8 x 1 | 8 x 1 | UEAtc M.O.A.T. 31 |
| Nominal Thickness, mm | 3.0 | 4.0 | 5.0 | 6.0 | UEAtc M.O.A.T. 31 |
| Nominal Unit Weight, kg/m ² | 3.0 | 4.0 | 5.0 | 6.0 | UEAtc, M.O.A.T. 31 |
| Coating Asphalt Type Softening Point (R&B), °C Penetration at 25°C, 0.1 mm | SBS Modified Asphalt > 115 30 - 45 | | | | ASTM D 36 ASTM D 5 |
| Ultimate Elongation, % | > 1000 | | | | UEAtc M.O.A.T. 31 |
| Cold Flexibility at -20 °C | No Cracking | | | | UEAtc M.O.A.T. 31 |
| Heat Resistance at 100 °C | No Flowing | | | | DIN 52123 |
| Resistance to Waterpressure, 2 bar (29 psi) | No Leakage | | | | DIN 52123 |
| Water Absorption, % (BSP) | <3.2 | | | | ASTM D 5147 |
| Resistance to Aging after 2000 hours (Accelerated Weathering Tester) | No Deterioration | | | | ASTM D 4799 |

Note: The above shown technical data are typical results obtained, to the best of our knowledge. From our quality control records extra details can be provided upon request.

- * As the material is highly elastic and stretchable type, a deviation in length and width is expected after storing and even applying due to stretching stress.

Refer TDS Control Nos. SA011604, SA021604 & SA031604 for Supporting Accessories

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