Specifications

Prepare the laying surface by applying a coating of oxidised additive and solvent based bituminous primer such as DERMAPRIMER with wet volume mass of: 0.98 kg/dm3 ; residue at 450°C: 0%; effusion time with FORD cup No. 3 at 23°C: 30 sec.; dry volume residue: 38%; dry mass residue: 40%, applying 200 g/sq.m. by brush or roller.

Lay an aluminium reinforced vapour barrier such as VAPOREX 2.2 kg/.sq.m. (EN 1849-1), with longitudinal and transverse load at break of 300B (EN 12311-1), maximum longitudinal and transverse elongation at break 3% (EN 12311-1), vapour resistance factor μ>200.000 (EN 1931). Fully bond on the underside of the membrane covered with polyethylene film by means of a propane gas blowpipe, making longitudinal joints of at least 10 cm and head joints of 15 cm, gluing it to the perimeter embossments at least 10 cm beyond the thickness of the thermal-acoustic insulation.

Lay the thermal and/or acoustic insulation sheets with thickness and characteristics as per the design specifications and nail to the metal laying surface. In the case of wind exposure or slopes exceeding 20%, the first waterproofing membrane and overlaps must be nailed spacing the nails at 5 nails per sq.m.

Dry lay a vapour dispersion layer such as GRUVER, with mass per unit area of 1.3 kg/sq.m., thickness 1.3 mm (EN 1849-1), flexibility at low temperatures -10°C (EN 1109), 119 holes /sq.m..The membrane must be laid with overlaps of at least 10 cm.

Position the double breather vents, for the elimination of excess water vapour, at the junction points of the thermal insulation. The breather vents must be positioned at an average of one per 25 sq.m., between the dispersion layer and the vapour barrier for the main element, while the second element must be inserted between the insulation and the double waterproofing layer.

Lay a waterproofing membrane consisting of a distilled bituminous compound modified with APAO resins (Amorphe - Poly - Alpha-Olefine) such as DERMABIT-EXTRA 4 mm, with mass per unit area of 4 kg/sq.m., (EN 1849-1), load at break, long. 800N, transverse 650N (EN 12311-1), maximum longitudinal and transverse elongation at break 45% (EN 12311-1), flexibility at low temperatures -25°C (EN 1109), flexibility at low temperatures after thermal ageing in air (EN 1296) -20°C. Fully bond on the underside of the membrane covered by polyethylene film by means of a propane gas blowpipe onto the flame resistant insulation, making a longitudinal joint of at least 10 cm and a head joint of at least 15 cm, closing them over, including the joint necks with the vertical walls that must rise at least 10 cm over the maximum water level when the covering is finished.

Lay a second waterproofing membrane consisting of a distilled bituminous compound modified with APAO resins (Amorphe-poly-Alpha-Olefine) such as DERMABIT-EXTRA 4 mm, with mass per unit area of 4 kg/sq.m., (EN 1849-1), load at break, long. 800N, transverse 650N (EN 12311-1), maximum longitudinal and transverse elongation at break 45% (EN 12311-1), flexibility at low temperatures -25°C (EN 1109), flexibility at low temperatures after thermal ageing in air (EN 1296) -20°C. The membrane must be fully bonded with sheets staggered by 50 cm with respect to the first layer, torching the underside covered by polyethylene film by means of a propane gas blowpipe, and making a longitudinal joint of at least 10 cm and a head joint of at least 15 cm, closing them over, including the joint necks with the vertical walls that must rise at least 20 cm over the maximum water level when the covering is finished.

Apply two coats of highly reflecting aluminium paint for bituminous membranes such as REFLEX AR, with wet volume mass: 0.94 kg/dm3;; dry volume residue; 39%; viscosity at 23°C with FORD cup No. 3; applying at least 0.130 l/sq.m. per coating by brush or roller or compressed air.

- **SUPPORTING STRUCTURE:** CORRUGATED SHEET PLATE
- **FINISH:** BLACK PAINTED MEMBRANE
- **NON TREADABLE - INSULATED**

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