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ECOBASE V

Non-reinforced single-layer PVC membrane for waterproofing of foundations, underground parts of buildings and structures

PRODUCT DESCRIPTION:

ECOBASE V is a single-layer PVC membrane, which is used for waterproofing of foundations, underground parts of buildings and structures. It is also used for waterproofing of artificial reservoirs. Thematerial is produced by co-extrusion on a base of high-quality plasticized polyvinyl chloride (PVC-P).

PERFORMANCE OF WORKS:

The waterproofing PVC membrane is loose laid. On the walls and tunnel arches, the material is fixed mechanically with PVC rondels. Overlap seams are welded by hot air welding equipment, such as manual hot air welding machines and pressure rollers or automatic hot air welding machines with temperature control. Contact with all materials containing bitumen or solvents should be avoided. Direct contact with polymeric materials made of polystyrene (EPS, XPS) is not allowed.

STORAGE:

Rolls of synthetic membranes are delivered on pallets. Every roll is packed in the additional individual pack. Rolls should be stored lying down on pallets fully protected from moisture with clean canvas tarpaulins. Keep the minimum distance of 1 m from any source of heat. Shelf life if all storage requirements are met: 18 months from the date of production.

MAIN CHARACTERISTICS:

Properties	Performance	Test method
Thickness, mm	1.5 (-5/+10%)	EN 1849-2
Mass per unit area, kg/m²	2.0	EN 1849-2
Length × width, m	20 × 2.05	EN 1848-2
Tensile strength L / T, MPa	≥12 / ≥10	EN 12311-2
Elongation, %	≥200	EN 12311-2
Tear resistance, N	≥150	EN 12310-2
Resistance to static load, kg	≥20	EN 12730 B
Resistance to impact on rigid / soft base, mm	≥700 / ≥1000	EN 12691
Peel resistance of joints, N/50 mm	≥300	EN 12316-2
Shear resistance of joints, N/50 mm	≥600	EN 12317-2
Foldability at low temperature, °C	≤-25	EN 495-5
Watertightness during 24 h at a pressure of 60 kPa	Pass	EN 1928-2 B