

LOGICBASE V-SL

NON-REINFORCED PVC MEMBRANE FOR WATERPROOFING OF TUNNELS, FOUNDATIONS, UNDERGROUND PARTS OF BUILDINGS AND STRUCTURES

LOGICBASE V-SL is a premium quality PVC membrane, which is used for waterproofing of tunnels, foundations, underground parts of buildings and structures. Sheets of the membrane are welded together with the hot air. On the walls and tunnel arches, the material is fixed mechanically with PVC rondells.

LOGICBASE V-SL is a non-reinforced synthetic membrane produced by co-extrusion on a base of premium quality plasticized polyvinyl chloride (PVC-P). Yellow signal layer on the top surface of the material allows detecting waterproofing layer damage promptly and easily. The advantages of the material are durability, high strength and elasticity, resistance to mechanical impact and high chemical stability.



LOGICBASE V-ST

NON-REINFORCED PVC MEMBRANE USED AS THE SECOND LAYER IN DOUBLE-LAYER PVC WATERPROOFING SYSTEMS WITH VACUUM QUALITY CONTROL

LOGICBASE V-ST is a special PVC membrane, which is used for waterproofing of tunnels, foundations, underground parts of buildings and structures as the second layer in double-layer PVC waterproofing systems with vacuum quality control. It is also used as a protective layer of the waterproofing PVC system. The material is welded with the hot air to the main waterproofing layer. Overlap seams are welded by hot air welding equipment.

LOGICBASE V-ST is a non-reinforced synthetic membrane produced by co-extrusion on a base of premium quality plasticized polyvinyl chloride (PVC-P). A specially textured surface of the material prevents two membranes of a double-layer waterproofing system from sticking together during the vacuum quality control.



PROPERTIES	TEST METHOD	LOGICBASE V-SL		LOGICBASE V-ST
Thickness, mm	EN 1849-2	1.5	2.0	1.6
Mass per unit area, kg/m ²	EN 1849-2	2.0	2.7	1.9
Length x width, m	EN 1848-2	20 x 2.05		20 x 2.05
Tensile strength L / T, MPa	EN 12311-2	≥16 / ≥15		≥14 / ≥11
Elongation, %	EN 12311-2	≥350		≥300
Tear resistance, N	EN 12310-2	≥150		≥150
Resistance to static load, kg	EN 12730 B	≥20		≥20
Resistance to dynamic impact on rigid / soft base, mm	EN 12691	≥700 / ≥1000	≥1400 / ≥1800	≥700 / ≥1000
Peel resistance of joints, N/50 mm	EN 12316-2	≥300		≥300
Shear resistance of joints, N/50 mm	EN 12317-2	≥700		≥700
Foldability at low temperature, °C	EN 495-5	≤-30		≤-30
Watertightness, kPa	EN 1928-2 B	≥60		≥60