

Product Name

Aqualay WS 30

AquaLay Wet Area Membrane

AquaLay Wet Area Membrane, is a flexible, easy to implement, four-layer new generation water-proof membrane. It consists of two layers of EVAC two side-coated with non-woven geotextile. The geotextile surfaces provides excellent adhesion and cohesion for tile adhesives in both horizontal ground surfaces and vertical walls.

Advantages

- It is very thin. It does not create extra thickness on the surface when it is applied.
 - It is very elastic. It is formed easily during application and adapts to the shape of the surface.
 - It is water impermeable. Material itself has special waterproof structure and provides excellent sealing with the special combination solutions to the locations where it is applied and correct implementation in connection points.
 - It requires very little extra work on the basis of the insulation benefits provided.
 - It is applied very easily and quickly thanks to its elastic structure, special roll measures and auxiliary products. Ideal for rapid covering of large areas.
 - Shipping and labor is easy since the unit weight is considerably low.
 - It is long-lasting.
 - Application method is quiet, clean and harmless to the environment.
 - It remains unaffected from the small cracks from combination and building movements and keeps the water impermeability.
-
- It is resistant to the effects of temperature changes.
 - It is a product that has proven itself by certificate and quality management.

Technical Specifications

(EN 13956;2013)	Standard	Unit	Values
Unit Weight	EN 1849-2	g/m ²	270
Roll Weight 1x5/1x30/2x20		kg	1,7/8,7/11,5
Thickness	EN 1849-2	mm	0,57
Tensile Strength at Break (MD/CMD)	EN 12311-2(A)	N/ 50 mm	≥ 200/≥ 200
Elongation at Break (MD/CMD)		%	≥ 20/≥ 10
Tear Strength	EN 12310-2	N	≥ 75/≥ 100
Punchure Strength	EN 12961 (A)	mm	≥ 500
Overlap Strength	EN 12317-2	N/50	≥ 230
Waterproofing Class	EN 1928		Geçti
Flexibility at low Temperature	EN 495-5	°C	-20
Fire Class	EN 13505-1	Class	E
Vapor Difussion Rate (Sd)	EN 1931 (B)	m	3,2
Vapor Difussion Resistance (Z)		MN.s/g	16
Vapor Resistance According to CTE - DB HS 1 (Z>10MN.s/g)			
Service Temperature		°C	-20 ile + 80
Bonding with C2 Class Cement Based Adhesive in 28 days (14 days at 70 degrees Celsius in Lab Condition)			
Strength	EN 1348	N/mm ²	≥ 0,7
Skid	EN 1324	N/mm ²	≥ 1
Water Resistance at Overlap (C2 Cement)	Su Kolonu	1m/24 Saat	Su Geçirmez

Fields of Application and Usage

It is used as an impermeable layer under the new constructed wet surfaces covered with the materials such as tile, floor tile and marble.

- The application surface must be firm, smooth and cleaned and the slope must be set.
- In pipe connections and critical connections WS sealant and butyl tape are used for impermeability.
- According to the area to be covered, it is cut easily and measures are adjusted. WS chamfer tape provided 30 tape practical application solutions.
- It should be laid in overlapped form. The overlays should be 5-10 cm on the ground, and 10-15 cm on the wall. There are 7,5 cm overlapping line on the rolls..
- C2 cement-based tile to be applied on the leveling screed is laid on the adhesives.
- Butyl tape, mastic or elastic cement-based adhesive can be used respectively as safety for impermeability of the overlapping.
- In wall-ground joints, a chamfer should be applied with WS chamfer tape 14 or WS chamfer tape 30 as the tape is centered on the corner. WS inner corner or WS outer corner elements are applied again with an appropriate adhesive on the chamfer tape in the corners. For the pipe outs, WS Pipe Flange is passes around the pipe tightly and sealed with mastic.
- Especially sealed joints of the critical points especially the locations combined with other materials and corners should be checked.
- C2 tile adhesive is applied over the membrane again and top coat is laid down.

-
- In renovation works, the appropriate adhesive that can hold on the present surface can be applied. With its excellent structure, insulation problem is solved by being covered again without increasing the total thickness.
 - The bonding method to be used in combination should be selected according to the movement character of the structure and its interiority and exteriority.

Packing and Storage

It is delivered as rolls and in polyethylene bags

Roll dimensions: 1 x 5 m, 1 x 30 m, 2 x 20 m. The rolls should be stored in the storage area on a clean surface in a horizontal or vertical position and especially protected from the sun.