

# Aquablock EP1.0M EPDM Rubber Geomembrane

## Description:

The AquaBlock Geomembrane is a cured single-ply synthetic rubber membrane made of ethylene-propylene-diene terpolymer (EPDM). It is available in a variety of thickness and panel sizes. Depending on the dimensions of the liner, the liner may be seamless. In other situations, seams can be made using a self-adhesive tape and primer system.

The 1,02mm thick AquaBlock EPDM Geomembrane is specifically designed for decorative pond applications. It is commercialized under the trade name "AquaBlock". Because of its specific formulation and production process, only the AquaBlock membrane is guaranteed to be compatible with aquatic life in accordance with the testing reports published by the Water Research Centre in the UK.

## Characteristics:

The AquaBlock Geomembrane is a rubber material with the following properties:

## Technical Specifications:

### Physical:

- Elastomeric membrane with a good combination of high elasticity and tensile strength
- Water-resistant
- Temperature stable from -45°C to 130°C
- Retains its elasticity at low temperature and resists to temperature shocks up to 250°C.
- Excellent resistance to alkali rains, less resistant to oil products. Contact with some kind of oils, petroleum products, hot bitumen and grease must be avoided
- Excellent resistance to U.V. radiation and ozone concentration

### Technical:

- Base - Rubber
- Colour - Black
- Solvents - None
- Solids (%) - 100
- State - Cured
- Storage until use - Store the membrane in a dry place

Physical Properties	Method	Result	Unit
Specific Weight	Direct measurement	1,15	Kg/m <sup>3</sup>
Shore A durometer	ASTM-D-2240	65 + 10	-
Tensile Strength - unaged - heat aged*	UEAtc	> 8,0 > 8,0	N/mm <sup>2</sup> N/mm <sup>2</sup>
Elongation - unaged - heat aged*	UEAtc	> 300 > 300	% %
Tear Resistance	UEAtc	11,7	N/mm
Dimensional Stability** (free)	UEAtc	< 0,5	%
Low temperature flexibility	DIN 53361	Crack free at -30	°C
Ozone resistance	DIN 7864	Crack free	-
U.V. resistance	ASTM G 53-84	Crack free	-
Static indentation - concrete	UEAtc	L <sup>4</sup>	
Peel Resistance - concrete	UEAtc	27,8	N

\* 84 days at 80°C

\*\* 24 hours and 100°C

Packaging Thickness (in)	Thickness (mm)	Width (m)	Length (m)	Weight (kg/m <sup>2</sup> )
.040"	1,02	6, 10-7, 62-9, 15-12, 20-15, 25	30, 50-45, 75-61	1,25
.045"	1,14	3, 05-6, 10-7, 62-9, 15-12, 20-15, 25	30, 50-45, 75-61	1,41
.060"	1,52	3,05-6, 10	30, 50	1,95

**Note:** Special panel sizes are available upon request.

## Precautions:

Take care when moving, transporting or handling to avoid sources of punctures and physical damage. Isolate waste products, such as petroleum, greases, oils (mineral and vegetable) and animal fats from Geomembrane.

