

Aquasel

Waterproofing Membrane Systems

Product Description:

Basic Uses:

The Aquasel Waterproofing System is designed for use on concrete structures to provide immediate and positive protection and waterproofing. This includes below grade foundation walls, slabs, parking decks, plazas, tunnels, highway bridges, and single ply roofing applications.

Aquasel Waterproofing Systems are cold applied over Aquasel P 2001 AD Primer. The primer may be applied over brush or lamb's wool roller, depending on the surface and area to be covered. The Aquasel Waterproofing System is to be applied in strict conformance with the manufacturer's recommendations.

Limitations:

Protection Panel (Aquasel PB 2001 AD) is recommended for all horizontal and vertical surfaces to protect membrane from damage. Membrane and Primer are not to be applied to frozen or wet surfaces.

Warning:

Aquasel Primers and Mastics are flammable liquids. No open flammable liquids. No open flames, sparks, or smoking should be allowed in the immediate area. Consult the product label for handling, use and storage instructions.

Composition and Materials:

Aquasel 2001 AD Waterproofing Membrane is manufactured by laminating a rubberised asphalt compound to a polyethylene film. Total thickness is .060" (± 0.005 "). Thickness is factory controlled to insure uniform applications.

Aquasel HD 2001 AD Waterproofing Membrane is manufactured by laminating a rubberised asphalt compound to an extremely strong inert reinforcing scrim to resist severe stress and puncturing. Recommended for heavy duty applications such as bridge decks, parking decks and other related structures. Total thickness is .070" (± 0.005 ").

Aquasel LT 2001 AD Waterproofing Membrane is specially compounded for applications below 5°C and down to -6°C.

Aquasel PB 2001 AD Protection Panels are premoulded semi-rigid boards composed of an asphaltic mineral-fortified core formed between two asphalt saturated liners sealed under heat and pressure in the factory. The basic function is to provide protection to Aquasel 2001 AD series membranes from puncture during back fill overlay operations.

Aquasel P 2001 AD Primer is an elastomeric-based material in a solvent solution. It is used to prime surfaces under Aquasel 2001 AD, Aquasel HD 2001 AD, and Aquasel LT 2001 AD Membranes at temperatures above 4°C.

Applicable Standards:

Aquasel Waterproofing Systems conforms to the following specifications: AMTRAK A-002 B. Department of the Navy (NAVFAC-TS-07121). Housing and Urban Development (HUD-materials release 62B) Federal Construction Guide Specification (FCGA-07111) General Services Administration (PBS PCD 07121 T).

Technical Data:

PROPERTY	TEST METHOD	VALUE
Colour	Visual	Gray Black
Pliability	ASTM D146	180° @ -25°F (1" Mandrel) No Cracks
Tensile Strength	ASTM D882 A (Die C Modified)	1000 pis Min.
Elongation (Rubberised Asphalt - portion only)	ASTM D412 (Die C)	300% Min.
Water Vapour Transmission	ASTM E-96 Procedure B	0.001 Max
Soil Burial (16 weeks)	GSA-PBS-4-07121	No Effect
Peel Test (Lbs/inch width)	ASTM D903	5.0 Min.
Cycling over crack (0"-¼" @ -15°F)	100 Cycles Min.	No Effect
Puncture Resistance	ASTM E154	120 lbs min.
Water Absorbtion (% by weight)	ASTM D-1228	0.00 Max.
Resistance to Hydrostatic Head	150 ft of water	No Effect

Maintenance:

None if installed in strict conformance to the manufacturer's instructions.

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