

AQUA S EL

The ultimate in MEMBRANE WATERPROOFING



Project: Hyatt Regency Hotel and Reunion Tower, Gen...
Waterproofing Contractor: Wright Waterproofing Co., In...

TEX-MASTIC[®]
CONSTRUCTION MATERIALS

FIELD LINING SERVICES 
OF LATIN AMERICA, INC
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P. O. BOX 6-6323
EL DORADO, PANAMA

I. Product Name

Waterproofing Membranes, Primer, Mastic and Protection Panel

AQUASEL		2001	AD	Membrane
AQUASEL	HD	2001	AD	Membrane
AQUASEL	LT	2001	AD	Membrane
AQUASEL	P	2001	AD	Primer
AQUASEL	M	2001	AD	Mastic
AQUASEL	PB	2001	AD	Protection Panel
AQUASEL	PBA	2001	AD	Protection Panel Adhesive

II. Manufacturer

J & P Petroleum Products, Inc.
Post Office Box 4206
Dallas, Texas 75208 U.S.A.
(214) 331-5401

III. 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 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 rubberized asphalt compound to a polyethylene film. Total thickness is .060" (± .005"). Thickness is factory-controlled to insure uniform applications.

AQUASEL HD 2001 AD
Waterproofing Membrane is manufactured by laminating a rubberized 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" (± .005").

AQUASEL LT 2001 AD
Waterproofing Membrane is specially compounded for applications below 40°F (5°C) and down to 20°F (-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 backfill 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 25 degrees F.

Applicable Standards:

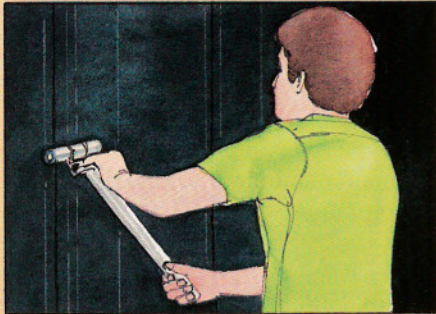
AQUASEL Waterproofing Systems conform to the following specifications: AMTRAK A-002 B. Department of the Navy (NAVFAC-TS-07121).

Housing and Urban Development (HUD-materials release 62 B) Federal Construction Guide Specification (FCGA-07111) General Services Administration (PBS PCD 07121 T).

Technical Data: Typical Properties of AQUASEL 2001 AD Waterproofing Membrane.

PROPERTY	TEST METHOD	VALUE
Color	Visual	Gray/Black
Pliability	ASTM D146	180° Bend @ -25°F (1" Mandrel) No Cracks
Tensile Strength	ASTM D882 A (Die C Modified)	1000 psi Min.
Elongation (Rubberized Asphalt - portion only)	ASTM D412 (Die C)	300% Min.
Water Vapor 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 Absorption (% by weight)	ASTM D-1228	0.00 Max.
Resistance to Hydrostatic Head	150 ft. of water	No Effect

IV. Installation Guidelines:

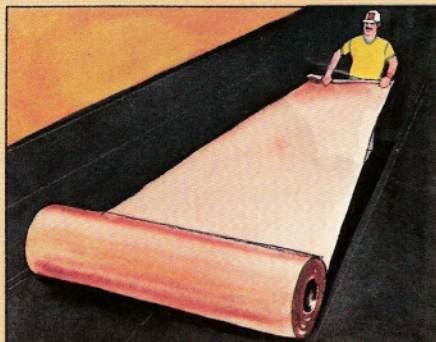


Rolling seams for positive seal.

1. Concrete should be cured a minimum of seven days before application. Curing compounds should be a clear resin based material and should contain no wax, oil, or pigments. Form release agents shall be of the self-disapating type. Surfaces shall be smooth with a wood float or better finish with no ridges or sharp protrusions. Any defects such as cracks or holes shall be filled with a portland cement mortar and finished flush.

2. Installation is relatively simple. Start with cleaning the surfaces which will receive the membrane by broom, vacuum cleaner or air hose to remove dust, dirt, loose aggregate or other foreign matter.

When surface is clean, begin the priming operation with AQUASEL



AQUASEL P2001 AD Primer is applied and AQUASEL Membrane (2001 AD) is rolled immediately.

Primer at a coverage rate of 200 to 300 sq. ft. per gallon using a lamb's wool roller, brush, squeegee or by spray apparatus.

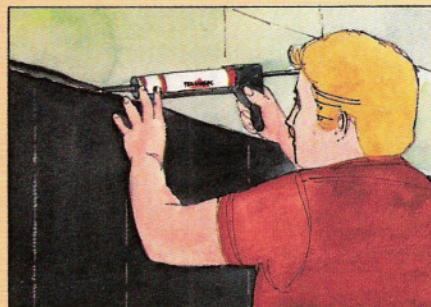
Allow primer to dry to a tack-free state. Prime only the area which can be covered with membrane within 24 hrs. After 24 hrs. re-prime all surfaces.

3. Remove AQUASEL from carton. Establish starting point by snapping a chalk line. Pull release paper 2 or 3 feet and roll back under membrane. Place first 2-3 feet of membrane, adhesive side down, maintaining proper alignment along the chalk line. As roll is dispensed, the release paper is rolled simultaneously. Using a shaft, such as a broom handle passed through the core, two men grasp each end to hold the membrane above the surface. One man pulls the paper free and guides the roll along the edge of the chalk line thus applying in a straight line avoiding wrinkles and over-correcting which causes "fish-mouths". While the membrane is being rolled out, a 4th man follows with a stiff broom and brooms the surface to achieve total contact to the surface and also eliminate air bubbles. End laps should be 5 inches minimum. Side laps are 2½" minimum. Double



PB2001 AD Protection Panel is applied with AQUASEL PB A2001 AD Protection Panel Adhesive.

cover all inside and outside corners using a 12-inch strip of AQUASEL. All joints, drains and penetrations should be treated in a similar manner, using 12 inch or narrower strips, and all terminations of the AQUASEL should receive a bead of AQUASEL M 2001 AD Mastic.



AQUASEL M2001 AD Mastic is applied at membrane termination as water cutoff.

Inspection and Repair:

Inadequately lapped seams and damaged areas should be patched with small sections of AQUASEL, the patched area extending at least 6 inches beyond the defect. "Fish-mouths" and severe wrinkles should be slit, the flaps over-lapped and repaired as above.

Protection and Backfilling:

AQUASEL PB 2001 AD, is recommended for the membrane as a protection course to avoid damage caused by other trades, construction materials and course backfill. Back-filling should be done promptly after application of the membrane and protection course. On vertical surfaces more than 8 feet high, AQUASEL should be applied in sections no longer than 8 feet. This is accomplished by setting up a table with horses and a 4 x 8 foot sheet of plywood or other material to provide a smooth working surface.

Unroll AQUASEL on table with the paper side down. Cut to length with a sharp knife. Cut cleanly through the paper to avoid tears when removing paper. Starting at the lower foundation base, apply the membrane up the vertical plane maintaining a five-inch overlap.

A horizontal and shingle application is also acceptable on vertical surfaces. Overlap seams should receive a bead of M 2001 AD Mastic.

Availability and Cost:

AQUASEL Waterproofing Systems are available from selected distributors worldwide. For information regarding local distributors or agents, contact J & P Petroleum Products, Inc.

Warranty:

The technical data furnished herein is true and accurate to the best of our knowledge. However, no guarantee of accuracy is given or implied. We guarantee our products to conform to the quality control procedures of J & P Petroleum Products, Inc., at the date of sale. We assume no responsibility for coverage, recommendations, or statements contained herein, nor is any use of our products recommended which would infringe any copyright or patent. For specific warranty details, contact J & P Petroleum Products, Inc.

Maintenance:

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

Technical Services:

Complete technical assistance and information are available from AQUASEL distributors or contact:

J & P Petroleum Products, Inc.
Post Office Box 4206
Dallas, Texas 75208 U.S.A.
(214) 331-5401

Filing System:

AQUASEL brochures are available from our Distributors, Agents, or contact the Manufacturer.



Packaging:

AQUASEL Membrane	Roll Size	Roll/Ctn.	Approximate Wt./Ctn.
2001 AD	48" x 50'	1	80 lbs.
	12" x 50'	4	80 lbs.
HD 2001 AD	48" x 50'	1	80 lbs.
LT 2001 AD	48" x 50'	1	80 lbs.
WIP 2001 AD	48" x 75'	1	80 lbs.

Item	Quantity	Approximate Shipping Wt.
AQUASEL P 2001 AD Primer	55-gal. drum 5-gal. pail 1 gal. pail	495 lbs. 41 lbs. 8 lbs.
AQUASEL M 2001 AD Mastic	1-gal. pail 5-gal. pail	8 lbs. 40 lbs.
AQUASEL PBA 2001 AD Protection Panel Adhesive	5-gal. pail	41 lbs.

PB 2001 AD PROTECTION PANEL

Thickness	Lbs./csf.	Width	Pcs. Per Pallet
90 mils	51	36"	300
STANDARD LENGTHS: 8', 10', 12'			

Contact J. & P. Petroleum for additional products.



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