

BLUE PROCESS TECHNOLOGIES, Inc.

Head Office: Kalubihan Dos, Umapad, Mandaue City, Cebu

Manila Office: 1427 Pablo Ocampo Sr. Avenue, San Antonio Village, Makati City

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BPT AQUASEAL

BPT AquaSeal liquid membrane that will "Seal with Confidence and Live without Leaks"

1. DESCRIPTION

AquaSeal; is a premium, liquid and cold applied, one-component MS based polymer, elastic, waterproofing membrane, free of bitumen, solvent and isocyanates. After fully cured, it forms waterproof, UV resistant surface which also repairs the cracks up to 5mm.

2. PROPERTIES

- Applicable also on damp surfaces.
- Good resistance to UV, water and moisture.
- Self-leveling.
- Paintable.
- Applicable by brush, roller, spatula or airless pumps.
- Provides water vapor permeability, allowing the surface to breathe.
- Environmental friendly – Free of bitumen, isocyanates and solvents.

3. APPLICATIONS

Protection, repair, restoration and waterproofing of the following surface and areas:

- Concrete floor slabs and roofs.
- Balconies and terraces.
- Small horizontal movement joints.
- Flexible roofs and coverings.
- Pouring of horizontal movement joints.
- Protection of Polyurethane Foam Insulation.
- Waterproofing of Wet Areas (under-tile) in bathrooms, kitchens, balconies, auxiliary rooms, etc.
- Protection of masonry and vertical surfaces.

4. INSTRUCTIONS

Surface Preparation: The surface needs to be clean and sound, free of any contamination, which may harmfully affect the adhesion of the coating. The surface must also be thoroughly cleaned from water puddles, prior to application. Remove all loosing materials. New concrete structures need to dry for at least 28 days. Old coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine. Any loose surface pieces and grinding dust need to be thoroughly removed.

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Application: Apply AquaSeal, ready-to-use, evenly and completely enclosed in one or two layers, manually with a roller or brush. Spread or pour in lanes directly on the surface and subsequently spread through a short pile roller (roller for epoxy/polyurethane paints). The second layer is applied after complete drying of the first layer. It is highly recommended to apply the second layer on the next day. For large areas and professional applications, it can be sprayed by airless pump, allowing a considerable saving of manpower. Furthermore, it can be applied with a flat trowel for horizontal surfaces. In particularly crack-prone or other problem areas, like wall floor connections, 90° angles, chimneys, pipes and waterspouts (siphon), the application of the geotextile FABRIC, soaked and saturated in Aqua-proof, in the first wet layer, is recommended. Press FABRIC firmly with a roller. The second layer is applied over FABRIC, after complete drying of the first layer. It is highly recommended to apply the second layer on the next day. In case patency is needed, medium or high, full coverage with quartz aggregates (indicative granulometry QUARTZ SAND MIX 0,1 – 0,45 MM or QUARTZ SAND MIX 0,4 – 0,8 MM) with consumption 2 – 4 kg/m² could be made. The coverage should be made in the second layer of Aqua-proof while the surface is still fresh, or, preferably, in the third layer (sacrificial layer), where the indicative consumption of Aqua-proof is 0,5 kg/m². The next day, and after the absorption of quartz excess, using an industrial vacuum cleaner, it is possible to cover with one or two layers of a suitable protective coating.

Coverage: Indicatively: 0.23 – 0.25 lb/ft² (1.1 – 1.2 kg/m²) in one or two layers, in approx. 0.02” (0.6 mm) thickness. The use of FABRIC is expected to double the coverage of AquaSeal per m² and up to three layers may be required. Recommended coverage, in total, 0.27 – 0.31 lb/ft² (1.3 – 1.5 kg/m²) (without the use of FABRIC).

5. PACKAGING

14KG Plastic bucket

6. STORAGE AND SHELF LIFE

- They should be protected from water, frost and adverse air conditions.
- They should be kept dry and cool on wooden pallets at between +10 °C and +25 °C in moisture free conditions.
- The opened products should be consumed immediately.
- Shelf life is maximum 12 months conditional to complying with the aforementioned storage conditions.

7. SAFETY

- For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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8. TECHNICAL PARAMETERS

Basis	: MS Polymer	
Density (g/ml)	: 1.44	(ASTM D1875)
Curing Rate (23°C %50 R.H.)	: 3.05 /day	
Viscosity	: 10000-20000 cps	Brookfield DV-E RV 23°C Spindle No 05
% Elongation	: Min. 300%	(DIN 53504)
Tensile Strength (N/mm²)	: 1-1.5	(DIN 53504)
Hardness (Shore A)	: 25-35	ISO 868

DISCLAIMER

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.