

1. USE

A black, liquid applied single-component moisture-cured bitumen polyurethane waterproofing system, which provides superior protection against the penetration of water.

Type 1: for horizontal surfaces.

Type 2: for vertical surfaces.

2. MANUFACTURER

PERMAQUIK CORPORATION

6178 Netherhart Road

Mississauga, Ontario

Canada L5T 1B7

Tel: (905) 564-6100 Fax: (905) 564-6110

3. PRODUCT DESCRIPTION

Composition : Polyurethane elastomer. A two-component system is available, which does not depend on atmosphere moisture.

Basic Uses : Once cured, PQ 6800 allows expansion and contraction over a broad temperature range and maintains flexibility and waterproofing properties under continuous exposure to water above or below grade. PQ 6800 has a thixotropic consistency and may be used on vertical as well as horizontal surfaces. PQ 6800 remain flexible from -40°C to +80°C. PQ 6800 waterproof membrane is intended for use wherever overflow water must be contained.

Suggested areas of application are as follows:

1. Waterproofing in between slabs, such as parking decks, roof decks or courtyard areas over subterranean parking.
2. Waterproofing exterior walls or foundations and basements or other structures that are to be backfilled.
3. Waterproofing inside planter boxes.
4. Waterproofing under terrazzo or tile floors.
5. Waterproofing under showerpans, kitchen, laundry and bathroom floors.
6. Waterproofing inside of elevated swimming pools.
7. Waterproofing of occupied areas under malls, plazas and promenades.

Water Reservoirs : PQ 6800 has been used with outstanding success as a lining for potable water reservoirs. It does not impart any colour, odor, or taste to the water, and is completely non-toxic in its cured state. The coating fills and covers the crack and because of its flexibility, allows them to move with changes in temperature. The product is firmly bonded to substrate so water cannot flow underneath the lining as it does with sheet lining materials.



Limitations : Containers that have been opened must be used up within one or two days since it is a moisture-reactive material. It sets up when exposed to air. All surfaces must be completely free of foreign matter and dry.

Shelf Life : 9 months at 25°C (77°F).

Advantages:

1. PQ 6800 is a single-component compound that may be used directly from the container with no mixing required.
2. No catalysts are necessary, as PQ 6800 is a moisture-cured compound.
3. Applied cold by spray methods, brush, roller, squeegee or trowel.
4. May be applied over concrete, stone, brick, cement blocks, wood, metal, asbestos and most other surfaces.
5. PQ 6800 cuts of application by eliminating mixing, splicing, sealing tapes, adhesives and other labor consuming methods required when installing other conventional types of waterproofing systems.
6. The superior flexibility and elongation properties of PQ 6800 allows expansion and contraction with the substrate, without cracking or becoming brittle.
7. Excellent adhesion, combined with the elastomeric qualities of PQ 6800 makes the use of protective covering prior to backfilling unnecessary, unless the backfill material contains crushed rock. On in-between slab applications, a protective board must be used.
8. Does not contain any potentially hazardous coal tar.

Color: Black only.

Standards: A.S.T.M. C836-89

TECHNICAL DATA

Tensile strength	600 ± 75 psi 4.83 ± 0.3 MPA	ASTM-D-412
Ultimate elongation	750%	ASTM-D-412
Minimum recovery	95%	
Shore A hardness	55±5	ASTM-D-2240
Peel strength on concrete	300 N/m (1.7 lbf/in)	
Moisture vapor transmission Gms/hr/ft	0.02	ASTM-E-96
Curetime	8 - 16 hours	
Resistance to water vapour	0.010 perms	ASTM-D-1653
Crack Test	no crack (>2mm)	ASTM-C-836
Solids	By weight 85 ± 3%	ASTM-C-836
VOC	Meets California VOC and AQMD Requirements	

4. PACKAGING

5 Gallon (19 ltr.) pails



5. INSTALLATION

PQ 6800 is best applied by airless spray. However, when the job does not lend itself to spraying, it may also be applied by roller, brush or squeegee.

All cracks over 1/16" (1.5 mm) in width must be filled and covered with PQ 6800 NON-SAG material. This product may be applied by trowel or caulking gun. There is no need to wait for this product to cure before applying the PQ 6800 S.L. since they are completely compatible.

A dry film thickness of 1.5 mm (60 mils) is recommended over concrete and block surfaces. Extremely porous substrates should be filled prior to coating or receive additional PQ 6800.

PQ 6800 may be used in a single 1.5 mm (60 mil) application over sound surfaces without danger of gassing. Application must be made uniformly to avoid thin spots and care must be taken to avoid pinholes and repair them should they occur. Coverage to obtain 1.5 mm (60 dry mils) is 22.5 sq. ft. (2.1 sq. m)/gallon. Where a two coats application is preferred, two coats at 11.25sq. ft. (1.05 sq. m) per gallon are to be applied. Allowing a 24 hours cure time between coats.

6. AVAILABILITY AND COST

PQ 6800 is supplied through distributors and dealers. Prices vary with quantity and packaging. Quotations are made on request. A two component chemical cure product is available. Consult Permaquik for details.

7. PRODUCT WARRANTY

All products proven to be defective in manufacture will be replaced at no charge. Since the use of these products is beyond our control we cannot assume any risk or liability for results obtained, nor can we accept damages in excess of the purchase price of these product.

8. MAINTENANCE

If PQ 6800 is damaged, it can be repaired by cleaning the surface and recoating it with PQ 6800.

9. TECHNICAL SERVICES

Technical assistance can be obtained by contracting:

PERMAQUIK CORPORATION

6178 Netherhart Road, Mississauga, Ontario Canada L5T 1B7

Tel: (905) 564-6100 Fax: (905) 564-6110

