

PENESEAL PRO[®]

DESCRIPTION

Peneseal Pro is a spray applied liquid sealer which forms a sub-surface barrier that protects concrete against water penetration and seals hairline cracks. When sprayed onto a thoroughly cleansed concrete surface, it will react with the concrete to form a sub-surface gel. This gel seals the pores, capillaries and cracks. As long as water is present, the product will remain active and seal future hairline cracks.

RECOMMENDED FOR

Because of its ability to withstand thermal stress, Peneseal Pro is ideal for concrete roofs, podium decks, bridge decks, terraces, traffic bearing structures, runways, and driveways. In short, everywhere where concrete is directly exposed to the elements and considerable thermal stress can be expected. For below ground projects, Penetron is the proven system of choice.

ADVANTAGES

- ▶ Seals existing cracks up to 5/64 in (2mm); new hairline cracks will be sealed on contact with water.
- ▶ Protects against water, chloride and sulphate ingress; increases resistance to chemical attack and carbonation; Peneseal Pro is not to be used in areas where strong acid or alkali attack can be expected.
- ▶ Sub-surface nature does not affect the adhesion of subsequent products.
- ▶ Increases surface hardness, approximately 13/16 in (20.6 mm depth), to 8 on Moh's scale.
- ▶ Simple, fast and economical application compared to alternative membrane systems.
- ▶ Trafficable within 6 hours after first water curing without affecting protection. The product will not peel or scratch and the treated surfaces can be polished. No negative screed necessary.
- ▶ Non toxic - can be applied to potable water containing structures.

- ▶ Ease of repair - if large cracks continue to be present or re-appear during the life of the structure they are easy to find and fix; no tedious lifting and removal of membrane to find the cracks is necessary.

PACKAGING

This product can be purchased in 6.6 gallon (25 liter) pails or 52.8 gallon (200 liter) drums.

STORAGE

For more instructions, alternative application methods, or information concerning the compatibility of the Penetron treatment with other products or technologies, contact the Technical Department of ICS Penetron International, Ltd. or your local Penetron representative.

DIRECTIONS FOR USE

Coverage:

1 quart to 45-65 sq ft (1 liter to 4-6 m²): 45 sq ft (4 m²) for rough and porous surfaces, 65 sq ft (6 m²) for very smooth, dense surfaces and 55 sq ft (5 m²) for normal surfaces. Cracks: additional 1 quart per 15 feet (1 liter per 5 linear meters.)

Surface Preparation:

Any existing damage, such as honeycombs, voids, etc. to the surface should be routed out and repaired with Penecrete mortar.

Application:

1. Flood all cracks with Peneseal Pro at approximately 1 quart per 15 feet (1 liter per 5 linear meters).
2. Apply the product to the surface to be treated at the recommended coverage rate. Spray the product at low pressure and in low wind conditions.
3. When surface is dry to the touch (2-6 hours after application) flood the surface with abundant water. If it rains before the product is dry, a second application is required once the surface is dry.
4. Twenty-four (24) hours later flood the surface with abundant water again.

