

THE ULTIMATE CONCRETE WATERPROOFING TECHNOLOGY

PENTRASEAL

ZERO V.O.C. PENETRATING PERMANENT WATERPROOFING COMPOUND



ADVANTAGES

- Environment and user friendly, Zero V.O.C.
- Can be used on new or old concrete
- Hardens concrete and increases its compressive strength
- Can be used on damp and wet concrete.
- Doesn't require surface preparation or protection boards
- Helps in curing new concrete and preventing of temperature cracks when used after finishing.
- Resists hydrostatic pressure
- Dustproofs and prepares surface for subsequent paint applications
- Resists acid, alkali, salt and oil
- Suitable for potable water tanks
- PENTRASEAL 101 ejects grease and oil which have penetrated concrete and resists further penetration.

PRODUCT DESCRIPTION

PENTRASEAL is a colorless, non-toxic, non-flammable, low viscosity, spray applied liquid formulation that provides a permanent internal moisture barrier for waterproofing and preserving new and old concrete. PENTRASEAL provides a unique barrier for waterproofing concrete and dense cementitious masonry products. Whereas most other waterproofing products develop only a surface coating, PENTRASEAL is designed to penetrate deeply (up to 8 inches) and become an integral part of the concrete. PENTRASEAL is a waterbased internal waterproofing system which contains the same inorganics present in concrete. A proprietary wetting agent composed of over 15 enzymes remarkably reduces the liquid's surface tension, which enables the PENTRASEAL to penetrate deeply into the small pore diameters. This filling of all the inter-connected pores and fissures stops liquid transmission by the formation of a gel within the pores and interstitial spaces within the first 72 hours after application. This gel swells in the presence of moisture and prevents the passage of water and other liquids under hydrostatic pressure. When the hydrostatic load is removed, the gel shrinks sufficiently to allow the concrete to breathe.

PRODUCT USES

PENTRASEAL is suitable for new and old concrete. It can be used for below and above grade concrete such as footings, basement walls and floors, water tanks and any type of concrete. It can also be used on damp concrete to penetrate and stop leaks and on concrete floors to dustproof and stop rising dampness before the application of floor coating. PENTRASEAL is not suitable for sealing large cracks and flexible joints.

APPLICATION PROCEDURE

Dampen surface to be treated using a fine mist water spray. Saturate the surface thoroughly with PENTRASEAL with an approximate rate of 100-150 sq. ft per gallon depending on the porosity of concrete. A low pressure spray pump can be used such as garden type sprayer or airless spray machine can be used for large areas. If PENTRASEAL is absorbed by the concrete very quickly, generally less than 15 minutes then more PENTRASEAL should be applied. Don't allow PENTRASEAL to pond or puddle. Approximately 3 hours after application dampen the treated surface with fine mist of water. 24 hours after application, flush or mop the surface with water, it is preferable to keep the surface damp for 48 hours. PENTRASEAL should not be applied if temperature is below 45°F.

PENTRASEAL cannot penetrate painted or highly polished and glazed surfaces.

CLEAN UP

Wipe off any spills with a wet cloth or sponge. Clean equipment with water.

SAFETY TIPS

PENTRASEAL is non toxic but avoid contact with skin. In case of skin contact thoroughly rinse off with water. If swallowed wash out mouth with baking soda and water solution and seek medical attention immediately. In case of eye contact, flush eyes with plenty of water and get medical attention.

TECHNICAL SPECIFICATIONS

COLOR	:	Clear	FULL CURE	:	72 hours
FLASH POINT	:	N/A	SPREADING RATE	:	100-150 sq ft / gal
SOLIDS	:	10% +/- 2%	TOXICITY	:	N/A
SPECIFIC GRAVITY	:	1.075	V.O.C's	:	0 lbs / galt

PENTRASEAL is manufactured in USA

Information presented on this Data Sheet has been compiled from sources to be reliable, and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so.