

LastiSeal Penetrating Sealer Product Data Sheet

PRODUCT DESCRIPTION

LastiSeal Masonry & Brick Sealer is a water-based, polyester polymer and polyurethane sealer for concrete, brick, stone, and other porous masonry.

Quickly and easily applied, LastiSeal penetrates deep below the surface (**2-4 inches**) and fills pores, encapsulates particles, bonds the substrate, and cures as a hard plastic.

LastiSeal seals internally to waterproofing the substrate and greatly reduce water vapor transmission. LastiSeal is non-flammable, non-toxic, and VOC-compliant.

ADVANTAGES

- Waterproofs permanently against rain, surface water, salts, and contaminants. Backed by a limited 10-Year Waterproofing Warranty.
- Resists spills, motor oil, chemicals, and acids.
- Protects against freeze-thaw damage & road salts.
- Protects against pitting, spalling, crumbling.
- Prevents algae and mold growth
- Reduces water vapor transmission & humidity
- Reduces efflorescence ("white powder")
- Reduces concrete dusting
- Prep for painting – improves the adhesion of paints (epoxies, urethanes, acrylics, but not latex) and adhesives.

USES

LastiSeal seals and waterproofs a wide range of cementitious and non-cementitious materials:

- Poured concrete floors & walls, shotcrete, gunite.
- Internally colored concrete, acid-stained concrete.
- Concrete blocks, cinder blocks, CMUs, split face blocks.
- Clay bricks, brick veneer, Mexican tiles, pavers .
- Mortar, stucco, plaster, grout
- Porous natural or man-made stones, limestone.

LIMITATIONS

LastiSeal is not intended to seal cracks, joints, or gaps. Not recommended for use on continually submerged substrates (pools, foundations, etc.).

PACKAGING

Available in 8 oz. sample bottles and 1, 5, and 55 gallon containers.

COVERAGE

Varies with substrate porosity and composition.

- 150-250 sq. ft. per gallon
- 750-1,250 sq. ft. per 5-gallon pail

TECHNICAL DATA

PHYSICAL FORM: Liquid

BOILING POINT: 230°F

ODOR: Very Low Odor

FREEZE POINT: 32°F

pH: 6.8

SPECIFIC GRAVITY: 1.1

VOC CONTENT:

11.67 g/L – FLAT

52.79 g/L - SATIN

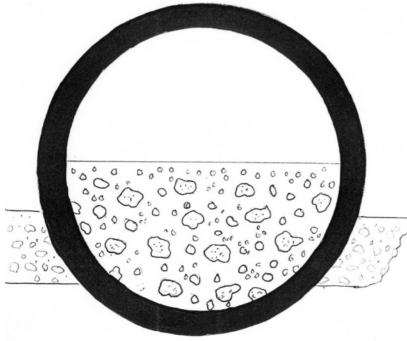
COLOR: colorless, turbid

PERFORMANCE DATA

ASTM 413	Water absorption of chemical resistant masonry	Excellent
ASTM C140	Masonry Absorption Test for light weight block	0.35%
ASTM 123D	Penetration Test for Nuclear Power Plant, 8000 psi Concrete Pour	2" penetration
ASTM 642-82	Masonry Absorption Test for Brick	No change in weight after 48 hours
ASTM C672	Scaling Resistance	no scaling after 100 weathering cycles
AS 1012.21-1999	Water Absorption of Hardened Concrete	No water absorption
USDA/EPA	Compliant	
LEED Credits	IEQ Credit 3 - Construction - Indoor Air Quality Management Plan IEQ Credit 4 - Low Emitting Materials	
Bacterial Growth	Does not support	
Surface Appearance	FLAT: No color or texture change. No gloss. SATIN: Low gloss.	
Resistance to Alkalinity	Excellent	
Paint Adhesion	Extends adhesion of moisture resistant paints by 100-500% (not latex)	

Contaminants are cancerous to concrete, stucco, and masonry. Acids, alkali, oils, acid rain, spilled chemicals, and even lactic acid from spilled milk penetrate into the pores in masonry and degrade it. LastiSeal fills the pores deep inside concrete or masonry and hardens. This forms a more dense mass and permanently prevents the penetration of water or contaminants.

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Untreated Concrete



Concrete Treated with LastiSeal

LastiSeal stops water seepage, as well as dusting, spalling, crumbling, and pitting.

LIMITED WARRANTY INFORMATION

The information and recommendations made are based on our own research and the research of others, and are believed to be accurate. Because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that the Product is safe, effective, and suitable for its intended end use. Novion, Inc. specifically disclaims liability for any incidental, consequential or other damages including but not limited to, loss of profits or damages to a structure or its contents.

NOTE: Read and understand the product SDS prior to use.