

PSC 2305

Concrete coating for water & chemical resistance



APPLIED
INFRASTRUCTURE
SCIENCES

POLYMER COATINGS

Easy Application & Superior Adhesion

Primer Coat Enhances Initial
& Long-Term Adhesion

Chemical & Water Resistant

Low VOC, No APEO & Inert When Cured

Builds on Itself With Multiple Coats

Core-Shell Technology Provides
Extended Durability



PSC 2305 is a blend of proprietary polymers for coating in-ground cementitious structures. Using the latest polymeric technology, PSC 2305 is designed to protect sewer and sanitary infrastructure from water and chemical penetration that can lead to a compromised lifespan.

PSC 2305 is a black-tinted, water-based, polymeric blend designed to be applied to porous materials where chemical and water resistance is required. PSC 2305 is formulated to be applied in the rehabilitation of existing infrastructure with proper surface preparation or for added protection for newly installed sewer and sanitary applications.

AVAILABILITY

5 Gallon Pails

55 Gallon Drums

* Other sizes available on request

APPLICATIONS

RCP

Box Culverts

Manholes

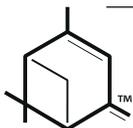
* Regular & sanitary installations

BENEFITS

- Protects surface from water and chemical penetration
- Extends lifespan of infrastructure
- Can be used to rehabilitate existing structures or on new installations
- **Environmentally Friendly**
 - Water-borne polymeric blend with minimal harsh chemicals
 - No contamination of surrounding area
- **Applicator Friendly**
 - Can be sprayed or painted (*see application instructions*)
 - Minimal PPE required



CONCRETE



Superior infrastructure chemistry.

25982 Hwy 1 North
McBee, SC 29101
marmac.com

843.335.7015
ais@marmac.com

PSC 2305

Technical information



PERFORMANCE

PSC 2305 is a blended polymeric coating using the PolyMac line of proprietary polymers developed by AIS. These polymers use core-shell technology to extend the durability and hardness of the coating. Multiple coats can be built up one on top of the other for added protection from chemical and water penetration. This is recommended. PSC 2305 begins to cross-link at ambient temperatures and continues the process of forming a complex array of extremely strong linkages to both itself and the surface to which it is applied. Coupled with added adhesion enhancers in our formula, PSC 2305 will not delaminate from the surface and will last the life of the structure.

SPECIFICATIONS

Adhesion testing has been conducted in accordance with the testing procedures of ASTM D7234 on cementitious substrates, including concrete block, concrete pours, etc. The adhesion of PSC 2305 to cementitious substrates consistently exceeds the break strength of the cementitious substrates themselves. Additional specifications available upon request.

DIRECTIONS

Mix PSC 2305 very gently to make sure that the tint and consistency are uniform. Do not dilute. PSC 2305 should be applied when ambient temperatures are between 41-105°F, and the surface is dry and free of dirt, dust, and debris.

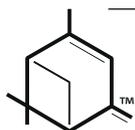
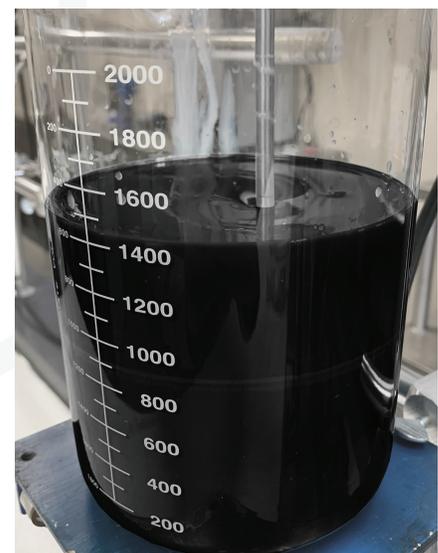
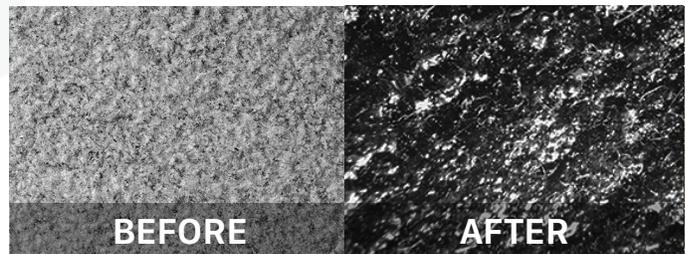
Apply PSC 2305 with a brush, masonry nap roller, and/or a low-pressure sprayer using an adequate nozzle size (*clean sprayer immediately after use with soap and water*). One gallon covers approximately 300 sq ft per coat.

TYPICAL PROPERTIES

Appearance	Opaque, Black, Viscous
pH	7.5-9
Odor	Slight
Freezing Point	~ 32 °F
Flammability	Non-flammable
Relative Density	~ 1.058 g/cm ³
Specific Gravity	1.058
Percentage Solids	60-65 %
Viscosity	1,600-1,800 cP
Adhesion	466-550+ psi*

* Average of multiple readings under lab conditions, including tests where the substrate failed before the coating. Contact AIS for full testing reports.

CAUTION: Prior to use, please read the Manufacturer Warranty & Disclaimer found at marmac.com/ais/disclaimer.



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