



SYMENTTM SC

CEMENTITIOUS UNDERLAYMENTS FOR FLOOR FINISHES

SYMENT SC Skim Coating and Patching

Product Description:

Advanced Moisture Control's SYMENT SC is a feathering, skimming and patching compound that provides a smooth, high strength surface by using a blend of Portland cement, special aggregates and polymer modifiers all in a single component material.

SYMENT SC is a multi purpose floor underlayment. Applied from ½ inch in thickness to a feather edge or mixed with further aggregates for lifts up to 2 inches or where sloping is desired.

SYMENT SC Product Benefits:

- Super fast curing, sets in just minutes.
- Compressive strength of over 4,500 PSI.
- Wide range of thickness, from feather to ½ inch per lift or more.
- Strong bonding from polymer modifiers.
- Super smooth finish surface that needs no prep.
- Dimensionally stable and non shrinking.
- Easy to mix, easy to use. Only water is needed.
- Superior bonding to substrate and with floor adhesives.

SYMENT SC Physical Properties:

- ASTM C-109: Air cured PSI ratings:
 - >2,000 PSI at 24 hours cure.
 - >2,800 PSI at 7 days cure.
 - >4,500 PSI at 28 days cure.
- ASTM C-191: Setting time at 70 degrees:
 - Initial set: 30 min. Complete set: 1 hour.
- ASTM D-3931: Bond Strength Shear Method:
 - >500 PSI at 28 days cure, direct bond.
- ASTM C-348 / C-580: Flexural Strength:
 - 1150 PSI at 28 days cure.
- Working time: 15 to 20 minutes max at 70 degrees.

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SYMENT SC Product General Application Guide:

Before the installation of SYMENT SC can take place or any kind of product placed on the surface, check for moisture. Excessive slab moisture is detrimental to both cementitious compounds as well as floor coverings and polymer coating materials. Advanced Moisture Control, Inc. recommends using the calcium chloride test and the in-situ relative humidity probe method (ASTM F-1869 and F-2170, respectively) prior to application of any topical product.

Advanced Moisture Control, Inc. manufactures environmentally safe synthetic polymers that guarantee compliance with moisture. Please refer to data sheets on the Vapor-Green series of sealers.

Concrete surfaces must be structurally sound, free of debris and not contaminated by curing compounds, oils, waxes, sealers or other foreign matter that would reduce the tensile strength of the bond of SYMENT SC to the substrate.

Mechanical preparation methods that scabble, scarify, shot-blast (or bead-blast) or using diamonds for grinding are acceptable .

SYMENT SC will bond to many surfaces without requiring a primer. Ensure all bonding surfaces are clean, sound have adequate tensile strength.

SYMENT SC may be used over other surfaces such existing ceramic tile floors, old cutback/asbestos residue surfaces and other, sound, existing cement compounds.

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Use a steel finishing trowel and apply SYMENT SC using enough hand force to ensure material is pressed into cracks, voids or other areas requiring filling. SYMENT SC is not self-leveling and requires mechanical pressure to apply.

Mix SYMENT SC either in full or in part, and for skimming or patching. For skimming, use 2 quarts water for a full mix (15 pound pail) or use 1 part water to 3 parts powder for small mix batches. For patching, use 1.75 quarts for a full mix (15 pound pail) or use 1 part water to 3.25 parts powder.

Mix material by adding the powder slowly into the water while stirring at a maximum of 350-400 RPM. Mix until all powder is hydrated and then immediately apply.

SYMENT SC can be applied in multiple coats to achieve higher thicknesses when required. Do not place more than ½ inch in thickness per batch. However, where small holes, divots, deep cracks or other such features exist, SYMENT SC can be packed into voids up to 2 inches in thickness in a single pass.

Deep patches in filled pockets and voids will require longer time to dry for functional use, depending on temperature.

Where room and/or slab temperatures are excessively warm, 80 degrees or more, the working time as well as curing time will be greatly reduced. This can be compensated for by using cold water in the mix, but never mix more material than can be safely applied in one lift.

All tools and surfaces not meant for coverage can be cleaned up with tap water providing it is done quickly. It is recommended that mixing paddles be cleaned with water between batches.

SYMENT SC is packaged in 15 pound pails and has a 6 month shelf life if unopened.

Do not use SYMENT SC over substrates that are softer or weaker than the product itself, such as gypsum.

Do not use SYMENT SC where substrates produce vapor emission higher than 3.0 pounds per 1,000 sq.ft. in 24 hours without first applying Vapor-Green FC moisture control polymer.

Contact Advanced Moisture Control, Inc. for more information about SYMENT SC cementitious underlayments and applications where moisture control of concrete is required.

Advanced Moisture Control, Inc. warrants the SYMENT SC series of underlayments to be free from material and manufacturing defects, and to perform as described when installed by certified applicators following specified application parameters.

When installed together with Vapor-Green FC, the SYMENT SC cementitious underlayment is fully warranted against moisture related failure as well.

When both Vapor-Green sealers and SYMENT brand cementitious underlayments are installed by Advanced Moisture Control's in-house California contractor, the entire floor system is warranted for up to 15 years. Please contact Advanced Moisture Control, Inc. for further information and complete warranty details.

