

Hydrotech[®] Surface Conditioner GC

formerly known as Surface Conditioner GC



BUILDING TRUST



GENERAL DESCRIPTION

Surface Conditioner GC concrete moisture mitigation coating is a one component copolymer primer designed to treat concrete surfaces showing high moisture levels (up to 100% RH). It is a water-based coating that passes ASTM E96 moisture mitigation testing as a class 1 water vapor barrier and is designed for rapid turnaround with maximum protection.



BASIC USE

Surface Conditioner GC is used on concrete decks or slabs for all types of construction in roofing and waterproofing applications. It is intended for use with Monolithic Membrane 6125[®] and can be used on exterior, new, or existing, structural lightweight, or structural concrete. Ideal for newly poured concrete decks and helps to accelerate installation time. Significantly reduces time required for curing of “green concrete” prior to the install of the roofing and waterproofing membranes.

LIMITATIONS

- Ambient and concrete surface temperatures must be at least 40° F (4° C)
- Optimum installation temperatures are between 45° F and 100° F (37° C)
- Do not install over contaminated or non-porous substrates.
- Do not allow product to freeze
- Do not thin product
- Only install as much as can be covered in a day.
- Surface Conditioner GC is not intended to be left exposed for an extended period, if left exposed beyond initial installation, Surface Conditioner GC must be cleaned of all dust and debris, in no instances should the Surface Conditioner GC be left exposed beyond one week.

SUBSTRATE REQUIREMENTS

- In order to apply Surface Conditioner GC, a concrete slab must be structurally sound, clean, and porous for the material to function properly.
- Surface Conditioner GC can typically be applied directly over green/ newly poured concrete after at least 3 days have elapsed after the pour.
- If there are cracks that need to be filled, treat with the Surface Conditioner GC prior to filling. To do so, use a brush to apply Surface Conditioner GC to the crack and then follow the normal procedure.

CHECKING THE SUBSTRATE

- Concrete deck must be structurally sound to walk and work on.
- Must be a Concrete Surface Profile (CSP) of 3-5.
- The concrete must be porous before applying product. Perform a water-droplet test per ASTM F3191.
 - Place a single drop of potable water (approximately 0.05 mL) on the substrate surface using a pipette, water dropper, straw, etc., after the substrate surface has been prepared.
 - Measure the length of time substrate to absorb the water,
 - < 1 minute Porous/Absorptive. Substrate is acceptable to proceed with Surface Conditioner GC.
 - > 1 minute Non-Porous/Non-Absorptive. Consult Hydrotech, most likely additional mechanical prep of the substrate is needed.

APPLICATION

- Application of Surface Conditioner GC is done in two coats.

- Product is ready to use when opened. A light stir with a mixing stick is recommended DO NOT USE A MIXER OR DRILL!
- Saturate a 3/8" nap roller and apply uniformly in a singular direction, back roll, and cross hatch.
- Once first coat has dried repeat this process.
- Typical net coverage rate of two coats is 200-250 square feet per gallon. (Note: Coverage may vary based on substrate conditions.)
- Do not over apply two light coats are specified.
- First coat will always use more material than the second coat.
- Do not pour material directly on substrate as this will not provide uniform coverage and will waste material.
- Do not allow to puddle
- If Concrete Surface Profile (CSP) is greater than 3, an additional coat may be necessary.

DRY TIME

- When applied, product will look "milky white," and will penetrate the concrete almost immediately, and dry CLEAR.
- First coat dries in 20-30 min. depending on ambient conditions.
- Second coat will look "milky white," and dry clear within 45 - 60 min. depending on ambient conditions.
- If material does not dry to touch after one hour or does not go "clear" your slab is likely not porous.
- Once fully dried membrane can be installed.

CLEANUP

Clean tools and equipment with soap and water immediately after use. Dispose of all materials in accordance with local, state, and federal regulations.

FOR PROFESSIONAL USE ONLY

- Surface Conditioner GC is intended for use by trained/authorized Roofing/Waterproofing professionals only.
- Refer to product SDS for specific data related to health, safety, and handling precautions.

TECHNICAL DATA

PROPERTY	TEST METHOD	RESULTS
SOLIDS CONTENT - WEIGHT		34%
SOLIDS CONTENT - VOLUME		23%
VOC's		< 50 g/l
MOISTURE LOSS		< 0.40 kg/m2
NET PERMEANCE		< 0.1 perms
DRY TIME (73° / 50% RH)		60 minutes
MAXIMUM TIME TO RECOAT		36 hours
ADHESION	ASTM D7234	
WATER VAPOR TRANSMISSION	ASTM E96-16	
PACKAGING		5 US gal. pail (18.9L)
SHELF LIFE		12 months unopened
CONSISTENCY		Liquid
COLOR		White, dries clear
STORAGE RANGE		Between 65° F - 90° F

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