



Super-Fluid, self leveling underlayment used to create a smooth, flat or level surface prior to the installation of finished flooring

DESCRIPTION:

H2-O with SuperFlo technology is the "Next Generation" in Self-Leveling Underlayments. Up to 40% more fluid than conventional premium self-leveling underlayments. H2-O is designed for tough interior applications where a super flat or smooth surface is desired.

Ceramic tile and natural stone can be installed within 4 hours after application. Floor coverings such as carpet, VCT, Vinyl sheet goods, rubber and engineered wood plank can be installed in as little as 16 hours.

PRODUCT FEATURES:

- ▶ Super-Fluid technology for easy installation and a professional result
- ▶ Can be installed at 1/16"
- ▶ Maintains healing and pour merging properties for up to 20-30 minutes
- ▶ Economical due to high yield & thin application thicknesses
- ▶ Creates super smooth surface ideal for sensitive floor coverings
- ▶ Reduction of adhesive consumption by up to 10%
- ▶ Reduces effort required to apply adhesive due to super smooth surface
- ▶ Perfect for high-tolerance, "Super Flat" leveling applications
- ▶ Accepts Finished floor coverings in a little as *16 hours
- ▶ Will not contribute to the growth of mold or mildew
- ▶ Creates Alkali Barrier on substrates up to 90% RH, min 1/8 inch
- ▶ Micro-Fiber reinforced
- ▶ Environmentally friendly - Contributes points to LEED Certified Projects

SURFACE PREPARATION:

H2-O should only be installed over substrates with a direct tensile bond test reading of 72 psi or greater per (ASTM C-1583-04). Do not install over Gypsum underlayment.

Concrete & Non Porous Substrates: Surface must be dry, sound, clean, free of oil, wax, sealers, asphalt, paint, dirt, gypsum or latex patches, urethanes, adhesives, loose material and any contaminate that may act as a bond breaker. Weak surfaces must be cleaned by mechanical means such as chipping, Shot-blasting or grinding. Never use Acid, Chemical Cleaners or Mastic Removers on any surface to which a CMP product will be applied. Non Porous surfaces must be abraded to a dull finish. All surfaces must be minimum 50° F.

H2-O is not a vapor barrier and will allow the free passage of moisture. Always follow the guidelines of the Finished Flooring Manufacturer concerning maximum allowable sub-floor (RH) per ASTM F-2170 and (MVER) per ASTM F-1869. If level exceeds Flooring Manufacture's limitations, use CMP V-20 Plus or V-25 before applying H2-O or any other CMP product.

Over Cutback and Adhesive Residue: Cutback may contain asbestos fibers whose inhalation is harmful. Consult government agencies for rules concerning the removal of asbestos containing flooring and adhesives. Mechanically remove adhesive to a translucent, clean, well bonded film using the wet scrape method. H2-O can be installed over non-asbestos adhesives if the residue is thin (translucent), solid, well bonded to the substrate and not affected by water. Avoid applications where heat or excessive moisture will soften or degrade the adhesive causing delamination. Remove all patching materials below existing adhesive residue.

03 54 00

Cementitious Underlayments



09 80 00

Floor Finishes



Packaging:

50 lb. bag : 48 per pallet
2500 lb. Super Sack : 1 per pallet

Color:

Light grey

Shelf Life:

6 Months

Storage:

Store in cool, dry area at 70°

Water Requirements:

6.5 Quarts of water per bag

Coverage (Yield):

1/16" : 120 - 130 sq. ft. per 50 lb. bag
1/8" : 60 - 65 sq. ft. per 50 lb. bag
1/4" : 30 - 35 sq. ft. per 50 lb. bag

Installed Weight (per Sq. Ft.)

2.05 lbs. @ 1/4"

Application Temperature Range:

50° F - 95° F Note: Above 85° F use ACI Hot-Weather Application Guidelines

Set Times: ASTM C-191

Flow Time: 20 minutes
Final Set: 60 minutes

Accepts Floor Covering:

(70° F, 50% RH) Adequate Ventilation
Ceramic Tile & Stone: 4 hrs. min.
Carpet, VCT: 12 hrs. min.
Vinyl, Rubber, Wood: 16 hrs. min.
Epoxy over 20 Mills: 3-5 Days

Compressive Strength: (ASTM C-109)

4 Hours	1000 psi	6 .9 MPa
1 Day	2500 psi	17.1 MPa
28 Days	5000 psi	34.1 MPa

Wood Substrates: Only use H2-0 over underlayment grade sub-floor such as 3/4" tongue and groove exterior APA rated Type 1 plywood, OSB or other approved engineered underlayment. All surfaces must be clean, free of varnish, patching compounds, shellac, paint, or any contaminant that interferes with bond. If needed, sand down to bare clean wood. Never use Chemical Cleaners or Mastic Removers on any surface to which a CMP product will be applied. Any moving boards must be secured with deck screws and open seams filled with Ultra Finish.

See "MIXING: Wood Sub-Floors" for specific instructions on the use of PolyBond additive. The addition of lathe reinforcement is not required but subfloors must be free of deflection (min. L/360), considering both live and dead loads. Use an approved anti-fracture membrane over H2-0 in areas where Ceramic Tile or Stone are being installed.

SURFACE PRIMING:

Concrete - All substrates must be clean and dry before primer is applied. Dilute AS-100 Primer 1 : 1 with clean water. Primer must be applied evenly using a nylon push broom with exploded tips and it should be worked into surface. Apply a thin coat leaving no bare spots, puddles or excess primer. Broom out any puddles that form as primer begins to dry. Allow to dry to a clear film approximately 1-2 hours.

On very porous concrete do an initial primer application diluted 3 : 1 Water to AS-100 . Apply in the same manner and allow to dry 1 hr min. prior to applying 1 : 1 coat. Maximum open time for primer is 24 hrs.

Non-porous Subfloors, Wood and Adhesive Residue - Apply one coat of undiluted AS-100 using a 3/8" nap roller. Apply a thin film, leave no puddles or bare spots. Allow primer to dry. (min 2 hrs, max 24 hrs)

MIXING:

Mix 2-bag batches of H2-0. For each bag add a maximum 6.5 quarts of clean cold water into a CMP mixing drum. Then, add bags of H2-0 while mixing at full speed with a CMP mixing wand attached to a heavy duty 1/2" drill (minimum 650 rpm). Mix for 2 min. or until lump free, adding No additional water. Keep mixing wand immersed in material to avoid entraining excess air.

Wood Sub-Floors - The addition of CMP PolyBond is required to increase the resiliency of H2-0. Add 2 quarts of PolyBond and 4.5 quarts of water for each bag of H2-0.

INSTALLATION:

Pour the blended H2-O on the floor immediately and disperse with a CMP gauge rake followed by finishing with a CMP smoother. Plastic athletic type cleats should be worn when using smoother to avoid leaving marks. H2-O will maintain its workability and leveling properties for up to 20-30 minutes.

Pumping Applications: Deep placements and large projects are more efficiently installed with the use of a pump. Contact CMP for instructions, recommended pumping procedures and approved equipment.

APPLICATION NOTES:

1. During application and for first 24 hrs, prevent excessive air movement.
2. Also protect material from direct sunlight. These variables can cause a false set, uneven curing patterns and cracking.
3. H2-0 is self-curing no wet curing methods or cure and seals should be used.
4. If water based adhesives are drying or skinning over too quickly when applied to the H2-0, simply apply a coat of AS-100 primer as described for very porous concrete. Allow the primer to dry minimum 2 hours and proceed with adhesive application.
5. Cooler temperatures, Higher humidity and Inadequate ventilation can extend drying times.
6. Substrate variations may telegraph on very thin applications, always apply enough material to achieve desired result. Pre-patching out larger substrate variations with CMP SR-P can minimize telegraphing.

Eligible LEED credits : 5

Recycled Content (MR 4.1 & 4.2)
2 Points

Regional Materials (MR 5.1 & 5.2)
2 Points

Low Emitting Materials (EQ 4.1)
1 Point

Qualifying Warranties:

1 Year, 10 Year, Lifetime

Health & Safety:

Please refer to the Material Safety Data Sheet (MSDS) prior to using this product. MSDS sheets are available by calling 215.672.6364 or you can visit www.levelingcements.com

Flammability: (ASTM E84)

Flame Spread: -0-
Fuel Contribution: -0-
Smoke Development: -0-

Clean Up:

Clean with water immediately after use

Manufactured By:

CMP Specialty Products, Inc
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Phone: 215.672.6364
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INSTALL

Member

