



Green-Safe Technology

High performance, trowelable underlayment that can be used over virtually any substrate prior to the installation of interior floor coverings

DESCRIPTION:

PrepStar is a cement based, rapid setting, trowelable underlayment used to smooth subfloors prior to the installation of finished floor covering. It chemically combines with the mix water, avoiding associated installation problems and is compatible with all adhesives approved for use over concrete. PrepStar has a creamy consistency, exceptional coverage and tenacious bond.

PrepStar allows for the installation of many floor coverings in as little as 15 minutes. It can be applied over properly prepared concrete, wood, cement based Terrazzo, ceramic & Quarry tile, Cutback and non-water soluble adhesive residue, all without priming or the use of an additive.

PRODUCT FEATURES

- ▶ Bonds to a wide variety of substrates
- ▶ Accepts many floor coverings in as little as 15 minutes
- ▶ Tenacious adhesion
- ▶ Creamy smooth workability
- ▶ Exceptional coverage
- ▶ Can be re-tempered without the addition of water
- ▶ Cost effective
- ▶ Will not harbor or support Mold or Mildew
- ▶ No dangerous emissions or irritating fumes
- ▶ Environmentally friendly - Contributes points to LEED® Certified Projects

SUBSTRATE PREPARATION:

NOTE: PrepStar is not a vapor barrier, when (MVER) per ASTM F-1869 or (RH) per ASTM F-2170 exceeds a Finished Flooring Manufacture's limits use CMP V-20 Plus or V-25 before applying PrepStar. Do not install PrepStar in moist or damp environments.

ALL: Surface must be clean, sound, dry, 50° F and free of oil, gypsum compounds, wax, grease, sealers, curing compounds, urethane, paint, asphalt, loose surface material or any contaminate that will act as a bond breaker. Never use Acid or Mastic Removers on any surface to which a CMP product will be applied.

CONCRETE: Weak surfaces, must be cleaned down to solid sound concrete by mechanical means.

NON-POROUS: Abrade ceramic, Quarry tile and cement based Terrazzo substrates to a dull finish; remove all dust by mopping and allow to dry completely.

WOOD: All wood substrates must be structurally sound L/360. If need, prepare by sanding down to clean bare wood and secure loose boards with deck screws. Subfloors must be 3/4" Hardwood, untreated, APA Rated, Type 1, exterior grade, plywood, OSB or equal.

ADHESIVE RESIDUE: PrepStar can be installed over thin (translucent) sound, non-water soluble adhesives that are free of tack and well bonded to the substrate. The adhesive Cutback needs to be prepared using the wet scrape method as outlined in the Resilient Floor Covering Institute booklet "Recommended Work Practices for the Removal of Resilient Floor Coverings". Remove all patching materials below the adhesive. If adhesive inter reaction, migration or staining are a concern install an approved CMP self-leveling underlayment.

03 54 00

Cementitious Underlayments

3

09 80 00

Floor Finishes

9

Packaging:

10 lb. bag : 240 per pallet
10 lb. pail : 100 per pallet

Color:

Grey

Shelf Life: Store in cool, dry area 70° F
6 Months

Water Requirements:

2.5 - 2.75 quarts per 10 lb. bag
(1 part water to 2 parts powder)

Aprx. Coverage (Yield): Per 10 lb. bag
33 sq. ft. @ 1/8"

Installation Thickness:

Feather edge up to 1/2"
Any thickness in small defined areas

Application Temperature Range:

50° F - 95° F

Set: ASTM C-191 (70° F - 50% RH)

Working Time: 20 minutes
Final Set: 30 minutes

Accepts Floor Covering:

Water based adhesives for
Carpet, VCT, vinyl sheet goods etc.
As soon as underlayment can be worked
on without damaging the surface

Moisture sensitive adhesives
Urethane and Epoxy - 16 hours

*Note: Cooler temperatures, higher
humidity and inadequate ventilation
can extend drying times.*

MIXING:

Mix an amount of PrepStar that can be placed within 15 min. at 70°F. Higher temperatures will shorten working time and cooler temperatures will prolong it. Place approximately 1 Part clean cool water into a container, then add 2 Parts PrepStar and mix to a lump free consistency. A CMP mixing wand and 1/2" drill will result in a better consistency and save time. Smaller quantities can be mixed by hand.

INSTALLATION:

Use a steel finishing trowel when applying PrepStar to a properly prepared substrate. Force the material into all voids, there is no minimum thickness required. PrepStar can be applied from feather edge up to 1/2" in a single lift and to any thickness in small well defined areas. PrepStar can accept standard floor coverings such as VCT, sheet vinyl, Linoleum and carpeting in as little as 15 minutes or as soon as adhesives can be applied without damaging the surface. When using moisture sensitive adhesives such as urethanes or epoxies wait 16 hours. Do not use PrepStar to fill expansion joints. Contact CMP Technical for recommendations on any surface not specifically listed on this Data Sheet.

EMBOSSING FILLER:

Existing felt-backed embossed residential sheet vinyl must be clean and free of wax, grease, sealer or any other contaminant. The flooring must be solid, have been installed over a suitable substrate and must not show any signs of moisture or alkaline salts. Do not use as an embossing filler over cushion-backed flooring thicker than .080" or over sheet flooring installed using the perimeter bond method. Lightly sand surface to a dull finish but do not sand through the wear layer, remove all dust by mopping and allow surface to dry completely.

When using as an embossing filler, mix 2 Parts PrepStar to 1 Part undiluted PolyBond. Mix to a creamy consistency using a margin trowel or CMP mixing wand and drill. Apply PrepStar to the prepared sheet vinyl using a steel finishing trowel in the thinnest possible layer that will fill the existing embossing. If additional smoothing is required, allow the first coat to dry completely (aprx. 60 - 90 min) or when a twist on the ball of your foot does not damage the surface. For the second coat, mix the PrepStar as before but dilute 1 Part PolyBond with 3 Parts water. Allow the underlayment to dry completely. The new surface is considered non-porous, only use an adhesive designated for that application.

GYPSUM UNDERLAYMENT (Gyp-Crete):

Thoroughly sand and vacuum the existing gypsum underlayment and apply 2 Coats of AS-100 Primer. Dilute the first coat 1 Part primer to 3 Parts water. Pour out or spray primer liberally and disperse with a soft exploded tip broom allowing it to penetrate. Continually broom primer out to a thin film while drying, leave no puddles or bare spots. Allow the first coat to dry for a minimum of 2 hours.

Dilute the second coat 1 Part primer to 1 Part water and apply a thin coat using an exploded tip broom. Continually broom primer out to a thin film while drying, leave no puddles or bare spots. Allow primer to dry (2 hrs. min. - 24 hrs. max.) before applying PrepStar.

NOTE: The PrepStar application will provide a sound surface for flooring to bond but it will not change the integrity of the Gypsum underlayment. If more substantial remedial work is needed use CMP LP-1.

EPOXY COATINGS:

Abrade and profile sound, epoxy coatings, remove all dust by mopping and allow surface to dry completely. Apply 1 thin coat of AS-100 primer undiluted (neat) using a 3/8" nap roller. Leave no bare spots or puddles and allow the primer to dry (2 hrs. min. - 24 hrs. max.)

LEAD, ALUMINUM, COPPER:

Must be 100% bonded to substrate. Clean and prepare surface, then apply 1 thin coat of AS-100 primer neat using a 1/4" nap roller. Leave no bare spots or puddles; allow primer to dry (2 hrs. min. - 24hrs.max.)

PRODUCT NOTES:

Clean with water immediately after use or by mechanical means once dry.

Flammability: (ASTM E84)

Flame Spread: -0-

Fuel Contribution: -0-

Smoke Development: -0-

Eligible LEED® credits : 5Recycled Content (MR 4.1 & 4.2)
2 PointsRegional Materials (MR 5.1 & 5.2)
2 PointsLow Emitting Materials (EQ 4.1)
1 Point**Warranties:**Standard - 1 Year Product
Qualifying - CMP Extended & Gold Seal**Health & Safety:**

Always refer to the Material Safety Data Sheet (MSDS) prior to using this product for full Health, Safety and Handling guidelines. MSDS sheets are available by calling 215.672.6364 or you can visit www.cmpsp.com

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