



PrepStar™

HIGH-PERFORMANCE TROWELABLE PREMIUM FINISHING UNDERLAYMENT

KEY FEATURES

- Bonds to a wide variety of substrates without priming or the use of an additive
- Accepts many common floor coverings in as little as 15 minutes
- Tenacious adhesion

DESCRIPTION

PrepStar™ is a cement-based, rapid-drying, trowelable skimcoat used to smooth interior subfloors prior to the installation of the finished floor covering. Many common coverings can be installed in as little as 15 minutes.

PrepStar™ industry-leading technology allows application over a wide variety of properly prepared substrates without priming or the use of an additive, including concrete, wood, ceramic, quarry tile, VCT, cutback residue, non-water-soluble adhesive residue and sheet vinyl (when used as an embossing filler).

PRODUCT FEATURES

- Creamy smooth workability
- Exceptional coverage
- Can be re-tempered without the addition of water
- Excellent sandability – Burnishes quickly leaving virtually no dust or trowel ridges
- Contributes points to LEED® certified projects

SUBSTRATE PREPARATION & PRIMING BY SUBSTRATE

NOTE: PrepStar™ is not a vapor barrier, but is insensitive to moisture from unabsorbed water of convenience in cured concrete. Moisture testing should be completed using test methods ASTM F1869 for MVER, ASTM F2170 for RH. If the MVER or RH levels exceed either the allowable limits of the coating, adhesive or flooring manufacturer's product to be installed, apply CMP's LockDown™ prior to PrepStar™. Do not install PrepStar™ in moist or wet environments.

All surfaces must be clean, sound, well-bonded, dry, above 50°F (10°C) and free of oil, gypsum compounds, wax, grease, sealers, curing compounds, urethane, paint, asphalt, loose surface material or any contaminant that will act as a bond breaker. Never use acid or mastic removers on any surface to which a CMP product will be applied. Never abrade any surface that may contain asbestos.



CONCRETE:

Preparation: Clean to sound, solid concrete by mechanical means if necessary.

Priming: No priming required

Thickness: Skimcoat to 1/2" (12.7 mm) or up to any thickness in small well defined areas.

CERAMIC & QUARRY TILE:

Preparation: Strip all wax, grease or sealer; rinse and allow to dry completely. If surface remains shiny after stripping, abrade to a dull finish and remove all dust or shot-blast.

Priming: No priming required

Thickness: Skimcoat to 1/2" (12.7 mm) or up to any thickness in small well defined areas.

TERRAZZO & EPOXY COATINGS:

Preparation: Shot blast or diamond grind to abrade and remove any urethane or topcoats. If no top coating exists, floor can be abraded to a dull finish by other mechanical means. Bond testing recommended.

Priming: Apply one thin coat of AS-100™ (undiluted) using a 1/4" (6.4 mm) nap roller. Apply PrepStar™ once AS-100™ is dry (minimum 1 hour) and up to 24 hours. After 24 hours, a second coat of AS-100™ will be required.

Thickness: Skimcoat to 1/2" (12.7 mm) or up to any thickness in small well defined areas.

WOOD (MINIMUM 3/4" [1.9 cm], L/360, UNTREATED, APA RATED, TYPE-1, EXTERIOR GRADE, PLYWOOD, OSB OR EQUAL)

Preparation: Sand down to clean, solid wood and secure loose boards with deck screws.

Priming: No priming required.

Thickness: Skimcoat to 1/2" (12.7 mm) or up to any thickness in small well defined areas.

CUTBACK & NON-WATER-SOLUBLE ADHESIVE RESIDUE:

Preparation: Adhesive must be clean, thin, translucent, non-water-soluble, well bonded and free of tack.

Prepare cutback 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 patch material below the adhesive. If adhesive interaction, migration or staining are a concern, install PrepStar™ uniformly at 1/8" (3.2 mm) thickness or use a CMP self-leveling underlayment per the product's Technical Data Sheet.

Priming: No priming required.

Thickness: Skimcoat to 1/2" (12.7 mm) or up to any thickness in small well defined areas.

GYPSUM UNDERLAYMENT:

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's LP-1™ or utilize lathe with a CMP cement-based, self-leveling underlayment.

Preparation: Thoroughly sand and vacuum the existing gypsum underlayment.

Priming (AS-100™, 2 coats): Dilute the first coat of primer, 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 to dry for a minimum of 2 hours.

Dilute the second coat 1 part AS-100™ primer to 1 part water and apply a thin coat as described above using an exploded tip broom. Apply PrepStar™ once AS-100™ is dry (minimum 1 hour) and up to 24 hours. If AS-100™ has dried longer than 24 hours, an additional coat of AS-100™ may be required.

Thickness: Skimcoat to 1/2" (12.7 mm) or up to any thickness in small well defined areas.

EMBOSSING FILLER & VCT:

Preparation: Existing VCT or felt-backed, embossed residential sheet vinyl must be stripped and rinsed to clean and remove wax, grease, sealer or other contaminants. Allow the floor to dry completely and if the surface is still shiny, abrade to a dull finish. Never abrade any material that may contain asbestos.

The flooring must be well bonded, have been installed over a

PHYSICAL PROPERTIES

Packaging	4.53 kg bag, 4 bags per case, 45 cases per pallet
Colour	Grey
Shelf Life: Cool, dry area 21°C	12 months
Water Requirements	2.36 - 2.60 litre per 4.53 kg bag
	1 part water to 2 parts powder
Approx. Coverage: 4.53 kg BAG	3.06 m ² @ 1/8" (3.2 mm)
	Up to 27.87m ² applied at a skimcoat (depending on substrate profile)
Installation Thickness	Feather edge up to 1/2" (12.7 mm). Any thickness in small well defined areas
Application Temperature Range	10°C to 35°C
Set: ASTM C191 (21°C / 50% RH)	Working Time: 20 minutes
	Final Set: 30 minutes
ACCEPTS COVERINGS (21°C @ 50%RH): See DRYING Section	Flooring installed with water-based adhesive. As soon as PrepStar™ 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	

suitable substrate and not show any signs of moisture, mold, mildew or alkaline salts. Do not use PrepStar™ over cushion-backed flooring thicker than .080" (2 mm) or over sheet flooring installed using the perimeter bond method.

Priming: No priming required.

Thickness Embossing Filler: Use the least amount possible to fill existing texture. After PrepStar™ has dried, the surface will be considered non-porous; select appropriate adhesives for the new floor covering.

Thickness VCT: Skimcoat to 1/2" (12.7 mm) or up to any thickness in small well defined areas.

LEAD, COPPER & ALUMINUM:

Preparation: Area must be sound, well bonded, free of deflection, rust, corrosion or oxidation. Clean surface as dictated by industry standards; if needed, wipe down using clean rags with xylene and allow surface to flash dry. Ensure adequate ventilation and wear appropriate Personal Protective Equipment (PPE).

Priming: Apply one thin coat of AS-100™ (undiluted) using a 1/4" nap roller. Apply PrepStar™ once AS-100™ is dry (minimum 1 hour) and up to 24 hours. After 24 hours, a second coat of AS-100™ is required.

Thickness: Skimcoat to 1/2" (12.7 mm) or up to any thickness in small well defined areas.

MIXING

Mix an amount of PrepStar™ that can be placed within 15 minutes at 70°F (21°C). 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 Paddle™ and 1/2" (12.7 mm) drill will result in a better consistency and save time. Smaller quantities can be mixed by hand. If PrepStar™ begins to set before it is applied, re-temper by mixing. Do not add additional liquid.

INSTALLATION

The high performance properties of PrepStar™ make it ideal for finishing purposes – no minimum thickness is required. PrepStar™ can be applied up to 1/2" (12.7 mm) in a single lift and to any thickness in small well defined areas.

Note: When a floor covering is sensitive to indentation, such as sheet vinyl or rubber flooring, etc., and will be subjected to heavy rolling or point loads, use PrepStar™ only for a final finish coat at the thinnest possible thickness. Use CMP's RampStar™ for initial skim coating, heavy smoothing, ramping and patching. Hand patching can be avoided by using an 1/8" (3.2 mm) of one of CMP's Self-Smoothing™ underlayments, such as LiquiCem™.

PrepStar™ can accept standard floor coverings such as VCT, sheet vinyl, linoleum and carpeting in as little as 30 minutes or as soon as adhesives can be applied without damaging the surface. When using moisture-sensitive adhesives such as urethane or epoxy, wait 16 hours.

ADDITIONAL NOTES AND LIMITATIONS

- Review the technical datasheets of CMP products referenced in this document for complete information.
- Working cracks can reflect through PrepStar™ and finished floor covering.
- Do not fill expansion or isolation joints with PrepStar™.
- PrepStar™ is self-curing. No wet curing methods or curing compounds should be used.
- PrepStar™ is not a waterproofing compound. Site evaluation is recommended for determining if external water sources may be a factor prior to installation.

ELIGIBLE LEED® CREDITS

Regional Materials (MR 5.1 & 5.2), 2 Points

Low Emitting Materials (EQ 4.1), 1 Point

STORAGE

Shelf life is one year from manufacturing date in unopened, original packaging. Must be stored in a cool, dry location, elevated (off the ground or floor) at temperatures between 40°F and 90°F (5°C and 32°C). Protect from moisture and excessive humidity. Do not expose to direct sunlight during storage.

VOLATILE ORGANIC COMPOUNDS

0 g/L (as calculated per SCAQMD 1168)

CLEAN UP

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

HEALTH AND SAFETY

Always refer to the Safety Data Sheet (SDS) prior to use for proper handling, clean up and spill containment. SDS documents are available at www.cmpsp.com.

FOR PROFESSIONAL USE ONLY
NOT LABELED FOR CONSUMER USE
KEEP OUT OF REACH OF CHILDREN

LIMITED WARRANTY

Limited Warranty found at www.bostik.com/us or call 800.726.7845. TO THE MAXIMUM EXTENT ALLOWED BY LAW, BOSTIK DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. UNLESS OTHERWISE STATED IN THE LIMITED WARRANTY, THE SOLE REMEDY FOR BREACH OF WARRANTY IS REPLACEMENT OF THE PRODUCT OR REFUND OF THE BUYER'S PURCHASE PRICE. BOSTIK DISCLAIMS ANY LIABILITY FOR DIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES TO THE MAXIMUM EXTENT ALLOWED BY LAW. DISCLAIMERS OF IMPLIED WARRANTIES MAY NOT BE APPLICABLE TO CERTAIN CLASSES OF BUYERS AND SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. It is the buyer's obligation to test the suitability of the product for an intended use prior to using it. The Limited Warranty extends only to the original purchaser and is not transferable or assignable. Any claim for a defective product must be filed within 30 days of discovery of a problem, and must be submitted with written proof of purchase.

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