



PRODUCT DESCRIPTION

CP-300 is a cement based, rapid drying, trowelable patch and skim coat for use prior to interior installation of resilient flooring materials. CP-300 can be used for minor repairs and flattening or for large skim coat installations. CP-300 will not sponsor mold or mildew growth, making it an ideal option for healthcare environments.

The CP-300 can be installed over a wide variety of substrates, including existing flooring, cutback adhesive and non-water soluble adhesives residue without the use of a primer. CP-300 allows for flooring installation in as little 30 minutes, providing a fast and easy solution for concrete repair and flattening in urgent or fast-track situations.

FEATURES

- **Bonds to Wide Variety of Substrates**
- **Doesn't Require Primer Over Porous Substrates**
- **Install Flooring in as Little as 30 Minutes**
- **Exceptional Workability and Coverage**
- **Fast Drying**
- **Self-Curing**
- **Compatible With Most Cementitious Materials**

TECHNICAL INFORMATION

Unit Size:	10 lb. pail
VOC:	0.0 g/l
ASTM E-84 - Flammability:	Passes
ASTM C191 - Working Time:	20 Minutes
ASTM C191 - Final Set Time:	30 Minutes
LEED v2009 MR Credit 4.1 - 4.2:	Complies
LEED v2009 MR Credit 5.1 - 5.2:	Within 500 mi. of Bensalem, PA
LEED v2009 IEQ Credit 4.1:	Complies
Water Required:	2.5 - 2.75 Qts per bag (2:1)
Coverage Rate - 1/8":	33 sq. ft. per bag
Maximum Skim Coat Thickness:	1/2"
Maximum Repair Thickness:	2 1/2"
Drying Time:	15 Minutes
Acrylic Adhesive Install Time:	30 Minutes
Epoxy/Urethane Adhesive Install Time:	12 Hours
Shelf Life:	6 Months
Storage Temperature:	50° - 75° F

PRODUCT LIMITATIONS

All referenced times are subject to substrate porosity and flatness, as well as ambient conditions, such as air temperature, relative humidity and substrate temperature - actual times may vary based on these conditions. Expansion joints must be honored. Do not use CP-300 to fill expansion joints, control cuts or dynamic cracks. Do not install materials over LVT, cushioned vinyl, cork, rubber, or asphaltic materials. Do not install patch in outdoor areas. Do not install in areas that may be subjected to heavy point loads.



1. PRE-INSTALLATION CHECKLIST

- Consult all associated product literature concerning installation and warranty prior to installation.
- Allow all trades to complete work prior to installation.
- Deliver all materials to the installation location in its original packaging with labels intact.
- Inspect all materials to ensure there is no leakage or damage.
- Do not stack pallets to avoid damage.
- Ensure installation area and material storage temperatures are between 65° F (19° C) and 85° F (30° C) and 40% - 65% RH for at least 48 hours before, during and after installation.
- Ensure HVAC system is operational and fully functioning at normal operating conditions 48 hours prior to, during and 48 hours after installation.
- Turn off radiant-heated flooring systems 48 hours prior to installation. 48 hours after installation, gradually increase the temperature over the course of 24 hours to a maximum temperature of 85°F (29.5° C).
- Protect installation area from extreme temperature changes, such as heat and freezing, as well as direct sunlight for at least 48 hours before, during and after installation.
- Ensure concrete moisture testing is conducted or scheduled to be conducted prior to flooring installation.
- Ensure all vents, walls, moldings and/or doorways are protected with tape or plastic prior to installation.
- Test substrate for porosity in order to determine the installation method necessary.
- Do not proceed with installation until all conditions have been met.

2. SUBSTRATE PREPARATION

All substrates must be clean, smooth, permanently dry, flat, and structurally sound. Substrates must be free of visible water or moisture, dust, sealers, paint,

curing compounds, residual adhesives and adhesive removers, concrete hardeners or densifiers, resinous compounds, solvents, wax, oil, grease, asphalt, gypsum compounds, visible alkaline salts or excessive efflorescence, mold, mildew and any other extraneous coating, film, material or foreign matter.

CONCRETE SUBSTRATES

All concrete must be prepared in accordance with ASTM F710 and must be tested for moisture per the adhesive and/or flooring system instructions. If concrete moisture levels exceed the limits of the adhesive and/or flooring system, a moisture mitigation product, such as the Excelsior MM-100, must be installed and primed with the P-200 prior to installing the SU-310.

Do not install patch in below grade areas when hydrostatic pressure is visible or suspected.

RESINOUS SUBSTRATES

When installing directly over a resinous products, such as the MM-100 or an epoxy coating, ensure that coating is dry to the touch and has cured for the prescribed length of time. All resinous substrates must be primed with Excelsior P-200 primer prior to installation.

GYP SUM BASED SUBSTRATES

Gypsum-based substrates must be sealed prior to applying a cementitious based product to avoid interactions between the two products. Gypsum substrates must have one coat of the Excelsior MM-100 installed to seal gypsum substrates and improve the strength of the substrate. Once coated with the MM-100, substrate must be primed with the Excelsior N-200 Primer prior to installation.

WOOD SUBSTRATES

Wood substrates must be prepared in accordance with ASTM F1482. Crawl spaces beneath wood substrates must be in compliance with local building ventilation codes and have at least 18" of cross-ventilated space between the ground and the joists. Substrate must be a subfloor grade underlayment with a minimum thickness of 1/4" thick and be

fully sanded prior to installation. Severe movement or instability may cause cementitious materials to crack or release.

METAL SUBSTRATES

Metal substrates must be thoroughly sanded/grinded and cleaned of any residue, oil, rust and/or oxidation. Substrate must be smooth, flat and sound prior to installation. Metal substrates must be primed with the Excelsior N-200 Primer prior to installation. Severe movement or instability may cause cementitious materials to crack or release.

ADHESIVE RESIDUE SUBSTRATES

When installing CP-300 over substrates that have existing adhesive residues, ensure adhesive residues are thin, sound, non-water soluble, free of tack and well bonded. Ensure any and all patching compounds or repair products under existing adhesives are removed.

When dealing with cutback adhesives and materials that contain asbestos, follow all OSHA guidelines. Removal must be conducted using the wet-scrape method outlined in RFCI "Recommended Work Practices for the Removal of Resilient Floor Coverings". Ensure all federal, state, local and industry guidelines are followed.

If adhesive reaction, migration or staining is a concern, the SU-310 Self-Leveling Underlayment must be installed at a minimum of 1/4" thickness per product installation instructions.

EXISTING FLOORING SUBSTRATES

Existing rubber flooring and LVT, as well as the adhesives used to install them, must be completely removed from the substrate prior to installation. Existing hardwood flooring must have a suitable cementitious self-leveling underlayment, such as the SU-310, or underlayment grade plywood installed over the substrate.

Patch may be installed over existing Vinyl flooring substrates, such as VCT, VAT, quartz tile or Solid Vinyl Tiles and sheet goods, as well as existing Stone flooring substrates, such as terrazzo, porcelain or ceramic tile. Ensure existing flooring is a single layer of material and that all materials are clean, dry, sound, solid, well adhered and free of site-applied finishes,



waxes and/or contaminants. Any and all loose tiles must be removed. When handling asbestos containing materials, ensure all OSHA regulations are followed and all procedures are compliant with local, state, federal and industry regulations and guidelines.

All existing flooring substrates must have any and all site-applied finishes and/or waxes completely removed prior to flooring installation in order to ensure a proper adhesive bond. For mechanical removal, use a low-speed buffer and 40-60 grit sandpaper. Properly prepared substrates should not have any remaining gloss or sheen. For chemical removal, ensure chemical treatments will not disrupt adhesion of the existing flooring to the substrate. Be sure to rinse the existing flooring adequately with clean, potable water to remove any and all chemicals from the surface of material. When removing finish from asbestos containing materials, ensure all OSHA guidelines regarding the removal of finish from asbestos is followed, in addition to applicable federal, state, local and industry regulations and guidelines.

Do not install patch until any moisture on, between or below existing flooring has completely dried.

3. CRACKS, JOINTS & VOIDS

All cracks, joints and voids, as well as the areas surrounding them, must be clean and free of dust, dirt, debris and contaminants. All minor cracks and voids 3/64" wide or less may be repaired with the CP-300.

Due to the dynamic nature of concrete slabs, manufacturer **cannot** warranty installations to cover expansion joints, cracks or other voids (such as control cuts, saw joints and moving cracks or voids) wider than 3/64". Do not install flooring directly over any expansion joints or cracks wider than 3/64".

All expansion joints should have a suitable expansion joint covering system installed to allow expansion joint to freely move. To treat expansions joints where an expansion joint covering system can't be installed

or to treat through cracks (depth at least 75% of the thickness of the concrete), chase joint or crack with a suitable saw or grinder and open to a minimum width of 1/4". Be sure to clean all dust, dirt and debris from crack. Joints and cracks should then be sealed with a suitable, elastomeric caulk (such as Ardex Ardiseal Rapid Plus, Mapei P1 SL or equivalent) designed for use in expansion joints. Install a closed-cell backer rod at prescribed depth and follow caulk manufacturer's instructions for installation. Ensure surface is troweled flush with surface of concrete.

To treat other cracks and voids (such as control cuts, saw-cut joints and surface cracks) over 3/64", chase joint or void with a suitable saw or grinder and clean all dust, dirt and debris from crack. Fill entire crack with a rigid crack filler (such as Ardex Ardifix, CMP CM10 or equivalent) designed for use in control or saw-cut cuts. Follow material manufacturer's instructions for installation. Ensure surface is troweled flush with surface of concrete.

Consult a structural engineer prior to treating any crack or joint, especially those that may affect structural integrity (such as expansion joints). Review all manufacturer installation instructions and/or consult manufacturer technical staff for all crack or joint filling products prior to treating joints and cracks.

4. PRODUCT INSTALLATION

Prior to installation, non-porous substrates, such as metal, existing resilient flooring or the MM-100, must have the P-200 Primer installed in order to ensure proper adhesion of the patch to the substrate. All other substrates must be cleaned per the substrate preparation requirements.

To mix, Add 2 parts CP-300 to 1 part clean, potable water in a clean mixing container. Ensure dry goods are poured into water, not the other way around. **Do not add additional water to mixture, as this may reduce the strength and performance of the material.** Using a paddle mixing attachment and a low-speed (<400 RPM)

drill, mix the material until a homogenous, lump-free consistency is reached. Small quantities can also be mixed by hand, using a clean finishing tool or mixing tool.

Once mixed, immediately install CP-300 to make desired patch or repair. When patching large areas that will be subjected to heavy rolling or point loads, ensure thickness of material does not exceed 1/16". When patching or flattening large areas for normal usage, material can be installed to 1/2" maximum total thickness. When making minor repairs, such as filling holes, cracks, or divots, or ramping up to doorways and transitions, material may installed up to 2 1/2" maximum total thickness.

If CP-300 has become unworkable or begun to setup in mixing container, material can be remixed until a workable consistency is reached and may be reused accordingly. When remixing material for reuse, **do not add additional water.**

5. ADHESIVE INSTALLATION

When using Acrylic Adhesives (such as the Excelsior SP-500, AW-510, AP-520 & ESD-810) and Excelsior Specialty Adhesives (WB-600, TP-620 & C-630), flooring may be installed after 30 minutes. Ensure that surface of CP-300 has completely hardened prior to installation.

When using Modified Silane, Urethane or Epoxy Adhesives (such as the Excelsior EN-610, MS-700, EW-710 & ESD-810), flooring may be installed after 12 hours. Ensure that surface of CP-300 has completely hardened prior to installation.

6. CLEAN-UP

Wet patch can be cleaned with a clean towel or cloth and clean, potable water. Tools and materials where patch has dried can be mechanically cleaned with clean, potable water and a wire brush, abrasive sponge or scraping tool.

FOR PROFESSIONAL USE ONLY. PLEASE CONSULT ALL ASSOCIATED TECHNICAL DATA SHEETS, SAFETY DATA SHEETS AND WARRANTY INFORMATION PRIOR TO INSTALLATION.