

PRODUCT DESCRIPTION

NP-230 is a zero VOC, water-based primer for use over non-porous substrates, such as the Excelsior MM-100, to promote adhesion of cementitious materials, such as the Excelsior CP-300 patch and the Excelsior SU-310 self-leveling underlayment. Primer is a single component and fast-drying to allow for quick and easy installation.

NP-230 contains quartz sand, which produces a rough substrate that creates a tenacious mechanical bond for cementitious materials. Primer can be walked on once dry without adversely affecting the material or bond.

FEATURES

- **Zero VOC**
- **Water-Based**
- **Single Component**
- **Roller-Applied**
- **Fast Drying**
- **Install Patch or Underlayment Within 1 Hour**
- **Compatible With Most Cementitious Materials**

TECHNICAL INFORMATION

- Unit Size: **2.5 Gallons**
- VOC: **0.0 g/l**
- LEED v2009 IEQ Credit 4.1: **Complies**
- Application Roller Type: **1/4" - 3/8" Short-Nap**
- Coverate Rate: **1000 sq. ft. per unit**
- Drying Time: **30 - 60 Minutes**
- Shelf Life: **1 Year**
- Storage Temperature: **50° - 75° F**

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.
- 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.

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.

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. Severe movement or instability may cause cementitious materials to crack or release.

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, asphaltic materials and existing adhesives or adhesive residue may require encapsulation and additional installation requirements per the installation instructions of the cementitious material. Existing hardwood flooring may also have suitable underlayment grade plywood installed over the substrate.

Primer 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 and repaired or replaced. 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 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 primer until any moisture on, between or below existing flooring has completely dried. Ensure all dust, dirt and debris are removed prior to primer installation.

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 a suitable cementitious patch.

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.

PRODUCT INSTALLATION

Using a clean mixing tool, stir primer well prior to use. Apply material using provided roller or a 1/4"-3/8" short nap paint roller at the prescribed coverage rate, ensuring thin, even coverage without pooling or puddling material. Avoid filling large divots and voids with NP-230, as this could affect drying time and performance.

Allow NP-230 to fully dry prior to installing patching or self-leveling compounds to substrate. Material should be clear, completely hardened and no longer tacky.

4. CLEAN-UP

Wet primer can be cleaned with a clean towel or cloth and a solution of Excelsior NC-900 or equivalent pH neutral cleaner and warm, clean, potable water. Tools and materials where primer has dried can be mechanically removed or cleaned with a solution of Excelsior NC-900 or pH neutral cleaner and warm, clean, potable water or mineral spirits.

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