

PRODUCT DESCRIPTION

FiberMat is a fiber reinforcement web used to improve flexural strength and tensile strength of the SU-310 prior to installation over unstable substrates, such as wood, gypsum or substrates with existing adhesive products.

The FiberMat binder naturally breaks down during the installation of the SU-310, allowing the fibers to disperse and be distributed throughout the installation. FiberMat is alkali resistant and allows SU-310 to bridge minor cracks.

FEATURES

- **No Adhesives or Fasteners Required**
- **Increases Flexural Strength of Underlayments**
- **Increases Tensile Strength of Underlayments**
- **Allows for Installation Over Distressed Floors**
- **Eliminates Aggressive Surface Preparation**
- **Easy to Install**

TECHNICAL INFORMATION

- Unit Size: **41.3" x 249' Roll**
- Unit Weight: **28 lbs. per roll**
- Coverage Rate: **857 sq. ft. per roll**
- VOC: **0.0 g/l**
- ASTM E-84 - Flammability: **Passes**
- Minimum Roll Thickness: **1 roll per 1" of SU-310**
- Minimum Cement Thickness: **¼"**
- 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 material to ensure there is no 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) for at least 48 hours before, during and after installation.
- Ensure HVAC system is operational and fully functioning at normal operating conditions.
- 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).
- Ensure all vents, walls, moldings and/or doorways are protected with tape or plastic prior to installation.
- 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.

In case of heavy surface contamination, shotblasting or diamond grinding may be required.

Do not use solvent/citrus based adhesive removers prior to installation. Follow The Resilient Floor Covering Institute's (RFCI) "Recommended Work Practice for Removal of Existing Floor Covering and Adhesive", and all applicable industry, local, state, and federal regulations.

GYPSUM 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 coating with the MM-100, substrate must be primed with the Excelsior N-200 prior to installation. SU-310 must be installed at a minimum thickness of ¼" when installing over FiberMat.

WOOD SUBSTRATES

Wood substrates must be prepared in accordance with ASTM F 1482. Wood subfloors should be of double layer construction with a minimum thickness of 1". Crawl spaces beneath wood subfloors

shall be in compliance with local building ventilation codes and have at least 18" of cross-ventilated space between the ground and the joists. Wood joists should be spaced on not more than 16" centers.

Prior to installation, moisture retardant sheeting with a maximum rating of 1.0 perm must be installed beneath the wood subfloor, overlapped at least 8". For standard installations, use Underlayment Grade plywood, OSB or equivalent with a minimum thickness of 3/4" thick and a fully sanded surface. When floors may be subjected to moisture, use an APA approved exterior grade plywood.

Avoid preservative-treated and fire-retardant plywood, as some may be manufactured with resins or adhesives that may cause discoloration or staining.

Wood substrates must be primed with the Excelsior P-200 Primer prior to installation. SU-310 must be installed at a minimum thickness of 1/4" when installing over FiberMat.

DISTRESSED SUBSTRATES

Distressed substrates, such as mastic, cutback, mudbeds, lightweight concrete or engineered wood flooring, must be solid, sound and dry and free of all dust, dirt, debris and loose materials. All distressed substrates must be primed with the Excelsior NP-200 Primer and must have Excelsior FiberMat installed prior to installation. SU-310 must be installed at a minimum thickness of 1/4" when installing over FiberMat.

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.

4. PRIMER INSTALLATION

All substrates must have the Excelsior P-200 primer installed prior to the use of the SU-310. Apply P-200 directly to substrate using a 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 P-200, as this could affect drying time and performance. Allow P-200 to fully dry prior to installing SU-310. Material should be clear, completely hardened and no longer tacky.

For more information about the P-200 Primer, please see the associated technical data sheet.

5. PRODUCT INSTALLATION

Ensure substrate is suitably prepared prior to installation, as manufacturer is not responsible for substrates that have not been properly prepared and tested for moisture. Ensure P-200 is installed and dry prior to installing FiberMat.

Install one layer of FiberMat for every inch of total self-leveling underlayment to be poured. Loose lay FiberMat over substrate and cut to fit dimensions. Overlap each roll by a minimum of 1". Avoid dragging tools, equipment and mixing drums across FiberMat. When possible, use a dolly, wheelbarrow, Masonite or ram board to protect FiberMat and prevent tearing.

SU-310 is installed directly over FiberMat – FiberMat will naturally separate and disperse once it is worked into the SU-310. Spread SU-310 as normal, using a spreader or gauge to build material to desired thickness. To disperse fibers, roll a roller handle/frame (without a roller) through material until fibers are visible spread evenly throughout material. Once fibers are evenly dispersed, use a smoother or finishing tool to finish SU-310.

6. FLOORING INSTALLATION

When SU-310 is installed in conjunction with the FiberMat, the surface of the material may appear rough. To smooth dried surfaces, sand with a low-speed buffer and 40-60 grit sandpaper or patch with the CP-300 prior to installing floor covering.

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