



PRODUCT DESCRIPTION

EN-610 is a two-component, solvent free epoxy caulk adhesive designed for use with indoor installations of stair treads and stair nosings. EN-610 is designed specifically to prevent flex, indentation and premature wear or damage to rubber or vinyl stair treads and stair nosings.

Being a two-component adhesive, EN-610 is incredibly

tenacious and highly resistant to shear stresses. The adhesive's inherent strength provides support to the nose area of stair treads and stair nosings, especially in areas that may be prone to irregular wear or may have unique or irregular edges.

FEATURES

- **Low VOC**
- **Solvent Free**
- **Superior Shear Strength**
- **Provides Nose Support**
- **Improves Stair Tread & Nosing Longevity**
- **Directly Install Over Concrete, Metal or Wood**
- **Easy Installation**
- **FloorScore Certified**
- **Contributes to LEED Credits**

TECHNICAL INFORMATION

Unit Size: **13.5 oz. Cartridge**
Weight: **1.5 lbs.**
VOC: **< 12 g/l**
LEED v2009 IEQ Credit 4.1: **Complies**
LEED v2009 MR Credit 5: **Within 500 mi. of Garland, TX**
ASTM F2170 RH Limit: **80% RH**
ASTM F1869 MVER Limit: **5 lbs.**
ASTM F710 pH Limit: **7-10**
ASATM D7149 Freeze Thaw: **5 Cycles at 0° F**
½" Bead Coverage Rate: **25 Lin. Ft. per Cartridge**
¼" Bead Coverage Rate: **50 Lin. Ft. per Cartridge**
Flash Time: **Immediate**
Working Time: **45 - 50 Minutes**
Light Foot Traffic: **8-12 Hours**
Heavy Foot Traffic: **24 Hours**
Maintenance: **48 Hours**
Shelf Life: **1 Year**
Storage Temperature: **65° - 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. Do not use in outdoor installations. Do not install over existing hardwood flooring, rubber flooring, LVT, sheet goods, asphaltic materials or existing adhesives or adhesive residue.

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 prepared according to ASTM F710, as well as applicable ACI and RFCI guidelines. Substrates must be clean, smooth, permanently dry, flat, and structurally sound. Substrates must be free of visible water or moisture, dust, sealers, paint, sweeping compounds, curing compounds, residual adhesives and adhesive removers, concrete hardeners or densifiers, solvents, wax, oil, grease, asphalt, visible alkaline salts or excessive efflorescence, mold, mildew and any other extraneous coating, film, material or foreign matter. All substrates must be vacuumed with a flat vacuum attachment or damp mopped with clean, potable water to remove all surface dust. Sweeping without vacuuming or damp mopping will not be acceptable.

It is recommended that all substrates have a floor flatness of FF32 and/or a flatness tolerance of 1/8" in 6' or 3/16" in 10'.

All substrates must be prepared in accordance with the adjacent adhesive and/or flooring and stair tread system instructions. All concrete must be prepared in accordance with ASTM F 710 and must be tested for moisture per the adhesive and/or flooring and stair tread system instructions.

PRODUCT INSTALLATION

Prior to applying adhesive, use a clean cloth and Denatured Alcohol to clean the backing of stair treads and stair nosings to remove any remaining mold release or contaminants.

Adhesive cartridge automatically mixes when pumped through included cartridge tip. Cut cartridge tip to desired width (1/4" - 1/2"). When using multiple cartridges, remove cartridge tip from empty cartridge and attach to new cartridge.

3. CLEAN-UP

Dry adhesive is difficult to remove and may discolor flooring materials. As such, wet adhesive or adhesive residue should be removed immediately using a clean cloth and denatured alcohol or equivalent. If adhesive has hardened onto the surface of material, gently remove adhesive and clean area with denatured alcohol or equivalent. Once wet or dry adhesive is removed, rinse area with a clean towel or cloth and a solution of Excelsior NC-900 and clean, potable water. Area may be permanently discolored from adhesive. Tools where adhesive has dried can be cleaned mechanically with denatured alcohol or equivalent and an abrasive pad or tool. **Do not apply solvents directly to flooring materials.**

4. WARRANTY

Manufacturer provides a 1 year material & labor warranty for all installations where adhesive is properly installed. See Excelsior adhesive warranty for more information.

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