

DATE: May 29, 2024

FROM: Schönox Technical HPS Support Team
511 Wilhite St. Florence, Alabama 35630

RE: Schönox MBL Installation Instructions

- Before applying SCHÖNOX MBL, a Moisture Vapor Emission Rate per ASTM F-1869 AND a relative humidity of concrete, using ASTM F-2170 must be obtained.
- Concrete substrates must be mechanically profiled to CSP 2-3 and be deemed absorbent according to ASTM 3191. Concrete subfloors must be sound, clean, dry, and free of any contaminants which may hinder adhesion. Old adhesive residues and any previous floor preparation materials such as old levelers or patch must be removed completely by suitable mechanical means before the application of Schönox MBL.
- Avoid contact with vertical structures such as walls and columns by using Schönox Foam tape. DO NOT USE RS 50.
- Repair nonmoving cracks using Schönox SL or Schönox FP with Schönox Renotex. Moving joints must be honored through the final floor covering. See Technical Bulletin: Cracks and Joints in Concrete. Cracking of the Schönox MBL may allow free passage of vapor and could negatively impact the products moisture blocking properties.
- For pre-leveling or preparatory work, CSP 2-3 and porosity must be achieved. Once complete, prime with KH FIX and utilize moisture resistant materials, either Schönox US, Schönox S1500, Schönox SL, or Schönox PL.
- Before applying Schönox MBL, the surface (original slab or Schönox moisture resistant materials) is required to be primed with Schönox KH FIX and allow 10-60 minutes of dry time before proceeding.
- Add Schönox MBL Part A to Schönox MBL Part B to form a homogeneous mixture using a minimum 600 RPM drill. The Part B liquid should be shaken thoroughly and placed into the mixing container first, followed by the Part A powder. Do not install unmixed material.
- After 3 minutes and when thoroughly mixed, pour Schönox MBL on to the primed concrete substrate. Schönox MBL can be installed from 1/8"-1/2". Schönox MBL must be poured at a minimum of 1/8". MBL minimum layer thickness always refers to the layer thickness at the highest point of the installation. Use a gauge rake to ensure minimum even thickness is achieved.
- Schönox MBL coverage will provide approximately 56 sq. ft. at a minimum of 1/8" at 3/16" the average yield per unit is 44 sq. ft. depending on substrate conditions.
- Schönox MBL is walkable after approximately 3 hours. MBL is ready for floor covering after 12 hours at 1/8" and 24 hours at 1/2". Schönox MBL provides moisture mitigation up to 99% RH or 18 lbs. / 1000 sq. ft. 24 hrs. on unheated interior concrete slabs.
- Schönox MBL must be safeguarded against damage throughout construction or immediately covered with flooring after the appropriate drying time. If Schönox MBL sustains damage, it will compromise its moisture mitigation capabilities, necessitating the installation of an extra layer of Schönox MBL.

Approved Floor Covering Applications and Adhesive Types

- Schönox MBL is approved to receive the installation of LVT, VCT, Carpet Tile, Wood, and Ceramic Tile.
- LVT, VCT, and Carpet Tile should be installed **ONLY** during the pressure sensitive phase.
- Ceramic Tile can be directly bonded with thin set to MBL.
- Wood Flooring can be installed using polyurethane, epoxy, or any other reactive adhesive.

Sheet Goods, Rubber, Linoleum, Carpet, or any other flooring requiring wet set or semi wet adhesive application must be applied with reactive adhesives. For more information, please see Technical Bulletin: Floor Covering, Adhesive Types and Adhesive Setting Options over Schönox MBL

- *Because of MBL's distinct characteristics, Schönox consistently advises conducting thorough bond testing before installation in accordance with ASTM F3311-19 Standard Practice for Mat Bond Evaluation of Performance and Compatibility for Resilient Flooring System Components.*

SCHÖNOX recommends the installation of an adequate number of properly located test areas to determine the suitability of the product for its intended use. Always follow the full product instructions contained in the Technical Data Sheets found on our website at <https://hpsubfloors.com/library/technical-datasheets/>. Should you have additional questions, please contact our Technical Support Team at 855.391.2649.