



earthwerks™
 FLOORING INSPIRED BY NATURE
SPECIFICATION & INSTALLATION

ST 100 Pressure Sensitive Adhesive

APPLICATION

Earthwerks Solid Vinyl Plank
 And Tile Adhesive.

PHYSICAL CHARACTERISTICS

A specially formulated advanced acrylic copolymer cross-linking plasticizer migration resistant non-flammable, non-solvent (contains no ammonia, glycol's or irritants) pressure sensitive adhesive. Designed to prevent slippage and minimize gaps.

PHYSICAL PROPERTIES

Shelf Life unopened, 1 year.
 Working Time, 3 hours depending on temperature & humidity.
 Average Spread Rate, 125-160 sq. ft. /gallon
 Flash Time 15 minutes
 Open Time 15 minutes-Wet Lay Method
 Open Time 60 minutes-Dry Lay Method
 Appearance & odor: off white, slightly acrylic odor.
 Water resistant when cured.
 VOC compliant, non-flammable.
 Protect from freezing.
 Contains anti-microbial agents.

PACKAGING

WEIGHT

4 gallons pails	44 lbs.
48 pails per pallet	1,920 lbs.
22 pallets per trailer	42,000 lbs.

(standard non refrigerated trailer)
 (do not stack pallets)

TESTING

Moisture, up to 3 lbs. per 1,000 f2 over 24 hours as per ASTM F 1869 anhydrous calcium chloride test.
 pH level 6-9.
 ASTM E 84, (pill test) passes, Class A meets MFPA.
 No hazardous ingredients as per SARA TITLE III Section 311, 312,313.
 Vapor Density (Air=1):Greater than 1.
 Solubility in Water:Miscible.
 Vapor Pressure (mmHg at 20c):same as water.
 Evaporation Rate (nBuAc=1):same as water.
 Percent Volatile: 33% by weight (water).
 VOC calculated: (material) 6 grams/liter (coating VOC: 9 grams/liter.

WARRANTY

Free from manufacturing defects according to exact quality standards. All defective materials will be replaced for defective material brought to our attention within one year. Since the manner and conditions of application are out of our control, no guarantees are expressed or implied.

HEALTH EFFECTS

No suspected cancer agents. May cause slight irritation to the eyes, skin, and upper respiratory system.

PREPARATION

Store unwrapped floor covering and adhesive indoors and acclimate for 24 hours prior to installation at 65 degrees F and 35-65% relative humidity.

Conduct moisture test using the ASTM F 1869 test method. Check porosity by pouring small amount of water in several areas. If the water beads up, the sub floor is very dense or sealed and relatively non-absorbent. Perform an alkalinity test by dampening several areas with distilled water. Let stand for 5 minutes and check with pH paper, 6-9 is acceptable.

The floor surface must be free of paint, old adhesives, curing agents, parting compounds oil, grease, wax, and any other contaminant.

Insure that the floor is sound, smooth, level, and free of depressions. Fill any depressions or cracks with a Portland based cement and allow it to fully cure.

INSTALLATION NON-POROUS SUBSTRATE

1/16" square notch trowel.
 Spread adhesive leaving trowel ridges high enough to provide 100% transfer. Apply only as much adhesive as can be installed within one hour. Allow adhesive to flash (10-15 minutes). *To check, press finger in adhesive and if adhesive transfers to finger, it is not ready. Allow adhesive to dry until the adhesive does not transfer,* then set tile as per the manufactures instructions. It is critical that adhesive is cured over non-porous sub floors. *Never lay plank into wet adhesive. Never allow adhesive to skin over.* Clean up wet adhesive with water and dry adhesive with suitable solvent. Roll and cross roll with 100 lb. three section roller.

FIRST AID

Eyes, flush with water for at least 15 minutes. If irritation persists seek medical attention.
 Skin, water with soap and water. If irritation persists seek medical attention.
 Inhalation, remove to fresh air, administer oxygen, and if necessary seek medical attention.

FIRE & EXPLOSION

Flash Point, Pensky-Martens C.C:NA.
 Auto ignition Temperature, F: NA.
 Flammable limits in air, volume% lower not applicable, upper not applicable.
 Fire extinguishing materials; water spray, foam, carbon dioxide, dry chemical.
 Special Firefighting procedures; wear self-contained breathing apparatus.
 Unusual Fire & Explosion Hazards: none.