



**Description:** Twelve Oaks adhesive is a water base, high tack, high shear vinyl adhesive that is recommended and warranted for use with all Twelve Oaks glue down floorcoverings.

**Recommended Substrates:** All common industry standard concrete, gypsum and plywood underlayments within industry guidelines. Substrates shall be dry, hard, free from deflection, and flat in plane within a tolerance of 3/16" (5mm) in 10' (3m). Wood Substrates shall be within industry recommendations with wood subfloor and recommended underlayment as finished substrate. Installing directly over single layer sheathing grade subfloors is prohibited and will result in the forfeiture of the Twelve Oaks warranty. Priming is a requirement for all gypsum substrates, where high porosity conditions exist and where additional open time is required. Failures happen when industry standards are not followed. If you are unsure of industry standards refer to NFCA Guide Book and RFCI.

**Substrate Preparation:** The substrate must be structurally sound, solid, dry, free from active cracks, clean, and free of all contaminants such as grease, oil, paint, wax, curing, and sealing compounds that would impair adhesion. Mechanically prepare, vacuum, prime, and smooth the substrate. Follow local health & safety recommended guidelines. **CAUTION: Inhalation of dust may cause asbestosis or other serious bodily harm. Refer to the Resilient Floor Covering Institute's publication "Recommended Work Practices for Removal of Resilient Floor Coverings" for instructions.** Concrete floors must be fully cured, free from dust, moisture, excessive alkalinity and curing agents. Do not install when the moisture vapor emission rate (MVER) exceeds 6 lbs. per 1,000 sq. ft. (2.72 kg per 92.9 m<sup>2</sup>) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869). Do not install when relative humidity of concrete slabs exceeds 85 % (ASTM F2170).

Recommended installation temperatures are 18 – 25 °C (64 – 77 °F) and relative humidity below 65 %. In service ambient temperature range shall be 18-27°C (65-80°F) with a maximum of 29°C (85°F) floor temperature for radiant heat systems. For applications where in service temperatures may be above or below these recommendations, contact Twelve Oaks for recommendations. Protect adhesive from freezing to maintain glue quality. Store & transport above freezing temperatures for optimal performance without risk of compromise.

For technical support on substrates including renovation conditions, contact Phil Wright at Uzin Utz North America at (226) 583-0073.

#### **Application:**

1. Before use, allow adhesive and floorcovering to acclimate to room temperature for a minimum of 24 hours.
2. Apply the adhesive to the substrate with a suitable notched trowel and allow for flash time. Apply only as much adhesive as can be covered within the working time. Lay covering into adhesive and roll the entire surface in length and width directions using a 100 lb. roller. Ensure > 80% transfer of adhesive to the floor covering. Working time of adhesive is up to 2 hours.
3. Clean tools & floorcovering seams immediately after installation.
4. Product is dry to accept foot traffic after approx. 24 – 72 hrs.

#### **Recommended Trowels & Coverage**

For most conditions: 1/32" x 1/16" x 1/32" U notch. Approximately 555-630 sf/pail  
Alternatively: 1/16" x 1/16" x 1/16" Flat V. Approximately 390 – 465 sf/pail

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