



## LVT Adhesive Chart

Substrates	Tiles	Grouted Tiles	Planks	Combo Tile & Plank
<b>Concrete</b>				
Good	EW-250	N/A	ST-100	ST-100
Best	ST-100	ST-100	EW-250	EW-250
<b>Plywood</b>				
Good	EW-250	N/A	ST-100	ST-100
Best	ST-100	ST-100	EW-250	EW-250
<b>Radiant Heat</b>				
Good	ST-100	N/A	ST-100	ST-100
Best	EW-250	ST-100	EW-250	EW-250
<b>Existing Vinyl</b>				
Good	N/A	N/A	N/A	N/A
Best	ST-100	ST-100	ST-100	ST-100

### ST-100 (Pressure Sensitive) Adhesive

Use: For the Installation of Earthwerks Solid Vinyl Plank and Tile.

Base: Acrylic Latex Based Pressure Sensitive

Coverage: 150 – 160 Sq. Ft. Per Gallon

Storage: Non-Flammable, Protect From Freezing

Packaging: Gallon, 4 Gallon

Application: 1/16" x 1/16" x 1/16" Square Notch

Open Time: 15 – 20 Minutes for Porous Substrate.  
40 – 60 Minutes for Non-Porous Substrate.

### EW-250 (Hard-Set) Adhesive

Use: For the Installation of Earthwerks Solid Vinyl Plank and Tile.

Base: Hard-Setting, Water Based Acrylic

Coverage: 185 – 245 Sq. Ft. Per Gallon

Storage: Non-Flammable, Protect From Freezing

Packaging: Gallon, 4 Gallon

Application: 1/32" x 1/16" x 1/32" U Notch

Open Time: 15 – 20 Minutes.

**Flooring must be installed into wet adhesive.**

### Which Adhesive should I use?

All vinyl floors expand when heated and contract when it cooled. This is referred to as thermal dimensional change. Vinyl has memory and will go back to the size it was manufactured as it approaches room temperature. This thermal dimensional change can be caused by a variety of temperature fluctuations such as lack of acclimation prior to installation, turning the HVAC system off, direct sunlight thru an unprotected window, etc. These temperature fluctuations are more important with plank than tile. 36" and 48" plank will expand and contract three and four times more than a 12" tile due to its length.

Our ST 100 being a pressure sensitive adhesive is very easy to use during installation. It has a long open time. You can install into it wet, semi-wet or dry and you can install over a non-porous surface using the dry lay method. It remains tacky allowing for simple repairs should damage occur to the floor.

Our EW 250 adhesive is a wet lay acrylic that sets much harder than a pressure sensitive. It has a short open time as you have to lay into it wet and the substrate must be porous. Only spread what you can install in 20 minutes. Once it does fully cure it is very resistant to thermal dimensional change. However, making repairs is difficult due to the stronger bond.

Please note, with either adhesive we require acclimation and a climate controlled environment. Should you have any questions, please feel free to contact our technical hotline