

ENGINEERED PLANK AND PARQUET FLOORING

INSTALLATION BULLETIN

These are general recommendations. Specific instructions should be obtained from the wood manufacturer.

PRE-INSTALLATION JOB SITE INSPECTION

Hardwood flooring should be one of the last items installed at a construction site. All work involving water or moisture such as plumbing, acoustical ceilings, dry wall, taping, etc. should be completed prior to wood flooring being delivered to the job site.

Check overall landscaping of job site. Proper drainage away from the structure should be provided. Landscaping should drop away from job site at a minimum of 3" per 10' for at least 10'.

If subfloor is pier and beam, make sure the crawl space vent openings total 1½ percent of the first floor area. This will provide the required cross ventilation. Vents should remain open year round. A 6-mil polyfilm ground cover is strongly recommended to protect against moisture. Crawl space should be at least 18" high.

Structures that have planters attached to adjoining walls require that not only the floor, but also all surfaces exposed to the ground to be effectively waterproofed.

The job site should have a consistent room temperature of 60-70°F for a minimum of 3 days prior to installation of any hardwood-flooring product and be maintained thereafter.

SUBFLOOR PREPARATION

Concrete

All concrete substrates must be clean smooth and dry.

All curing compounds, alkaline and/or sealers must be removed from the surface of the concrete. General scouring with 20 grit #3½ paper will remove most compounds. All loose concrete, dust and foreign material must be removed by brushing or sweeping and then vacuuming the surface.

Concrete substrates must be structurally sound, properly cured and level. New concrete should be cured for at least 90 days. The moisture rate of subfloors can be easily measured by utilizing a calcium chloride moisture test kit and the emission rate is expressed in lbs/1000 sq. ft. over a 24-hour period. The test requires 60-72 hours to conduct; therefore, proper installation planning is a must. An emission rate of 3 lbs. or less is acceptable. Concrete subfloors should be level to 3/16" in 10'. Grinding concrete subfloors to tolerance is recommended whenever possible. When filling compounds are necessary, use a cementitious underlayment compound.

NOTE: Do not use Gypsum base floor patch. Lightweight concrete is not a recommended substrate. Avoid skim coating large areas and lightweight concrete because of inherent weakness.

All slabs on grade must be membrane waterproofed and dry. Installation must be inspected for moisture, and in the event of dampness, corrective action must be taken. A pH test must be taken and a reading must be below 9. If no moisture is indicated through testing and a pH of 9 or above is obtained, this can be neutralized with an application of Taylor Envirotec #2000 Alka Prime 2000 Pre-coat.

Wood Subfloors

Wood subfloors should be clean, structurally sound, smooth (3/16" per 10' span) and dry (less than 12% moisture content). All paint, varnish, wax, etc. must be removed from old wooden floors to provide a satisfactory bond.

Association grade underlayment of 5/16" should be nailed over single wood subfloors. Association grade plywood 5/8" tongue and groove or 3/4" SE Plywood are acceptable as an underlayment. Many particle board subfloors with a 40 lb. per cu. ft. density and OSB boards are acceptable; however, responsibility for warranty and or performance rest solely with the manufacturer of the particle boards or OSB board and not with W. F. Taylor Co., Inc.

Resilient Subfloors

Existing vinyl composition tile or resilient sheet goods in good condition and firmly bonded are acceptable. Resilient flooring must be free of dirt, grease, and wax.

NOTE: Do not install over a urethane coating. Do not install over loose laid or perimeter glued sheet goods.

Other Subfloors

Ceramic tile, terrazzo, with glaze removed, which are structurally sound, dry and level are also satisfactory subfloors. Radiant heated slabs that do not heat to a surface temperature over 85°F and have been activated for at least three weeks prior to installation are also acceptable.

WARNING: Do not attempt to use adhesives to compensate for rough and uneven subfloors that exceed 3/16" per 10' span.

FLOOR LAYOUT AND LAYING OF PLANKS

Lay out flooring according to wood flooring manufacturer. The starting line for engineered planks is measured to allow a clear, glue-free working area between the line and the wall of 30" to 36". See wood manufacturer's product installation sheet for specifics

TROWEL AND ADHESIVE RECOMMENDATIONS

Taylor Meta-Tec #2071 Tuff Lok X-Link Wood Adhesive and Timberline #2051 Engineered Plank and Parquet Adhesive are recommended.

Advantages of #2071:

- Immediate tack / wet grab – “Green Strength.”
- Rapid build to high strength cross-linked bond.
- Waterproof when cured.
- Elastomeric bond to allow natural wood movement.
- Easy troweling.
- Easy clean up.
- Solvent free – low VOC.
- Lower cost per square foot of installation

Advantages of #2051:

- Strong “Green Strength.”
- High strength cured bond.
- Solvent free – low VOC.
- Easy troweling.
- Easy clean up with water.

Engineered Plank

With #2071 use a 3/16”x1/4”x5/16” V notch trowel. Coverage is 50-60 sq. ft./gal.

With #2051 use a 3/16”x3/16”x3/16” square notch trowel at a minimum. For rough and uneven subfloors, use a 1/4”x1/4”x1/4” square notch trowel. Allow a flash time of 30 minutes prior to laying in of the wood flooring. The open time is 1 to 2 hours; do not spread more adhesive than you can cover in one hour. Coverage is approximately 25 to 35 sq. ft. per gallon.

Parquet

Apply with a 1/8” x 1/8” x 1/8” sq. notch trowel. Coverage is 60-80 sq. ft./gal.

Solid Hardwood Planks

See Installation Bulletin WFT-1016 Pre-Installation Instructions for Solid Wood Flooring.

Use Meta-Tec #2071. For thin gauged solid wood less than 7/16” thick use a 3/16” x 1/4” x 1/2” V notch trowel. Allow a minimum 20-minute open time. Coverage is 70-80 sq. ft./gal. For solid wood flooring 7/16” up to 3/4” thick use a 3/16” x 3/16” x 3/16” sq. notch trowel. Coverage is 30-40 sq. ft./gal.

When each area is finished, roll with 150 lb. roller to make sure wood flooring is well seated in the adhesive.