



CorkCore|LVT

3 PART SPECIFICATION

Part 1 - General

1.01 Definitions

- A. This specification refers to Expanko Resilient Flooring Inc., CorkCore|LVT™
- B. Installer is defined as competent, experienced personnel assigned to install the flooring material

1.02 Installer Experience Level

- A. Installer shall be experienced and competent in the installation of tongue and groove floating floor materials. Installer shall install flooring as per instructions provided by Expanko Resilient Flooring.

1.03 Description of Work

- A. Prepare sub-floor per manufacturers' instructions in areas specified to receive CorkCore|LVT flooring.
- B. Install flooring material using manufacturers recommended installation products in accordance with manufacturers' instructions.

1.04 Delivery, Storage and Handling

- A. All flooring materials, and adhesives shall be delivered to the job site a minimum of 48 hours prior to installation. Material shall arrive to job site a minimum of 96 hours when relative humidity is above 65% or below 45%.

Part 2 - Products

2.01 General

- A. Product recommendations, and installation and maintenance instructions, are based upon Expanko Resilient Flooring, CorkCore|LVT™.
- B. Detailed instructions on sub-floor preparation, installation and maintenance are available at www.expanko.com.

2.02 Approved Manufacturers

- A. Expanko Resilient Flooring, 180 Gordon Dr, Suite 107, Exton, PA 19341 (Randy Gillespie) 800.345.6202. www.expanko.com
- B. Accessories:
 - 1. Adhesive: Approved adhesive is Wakol MS 260

2.03 Submittals

- A. Submit product data, samples and installation and maintenance recommendations for each item specified.

- B. Submit two samples approximately 5.5" x 6" to illustrate product shade, design and finish for approval by client or responsible party. Samples shall be used as a standard by client and installer for material to be installed.

2.04 Warranties

- A. Manufacturer shall provide a fifteen (15) year Commercial warranty and twenty-five (25) year Residential warranty against manufacturing defects.

2.05 Materials

- A. CorkCore|LVT shall meet the following specifications:
- i. CorkCore|LVT shall be made of .55 mm wear layer, high resolution printed film, 1.2 mm solid vinyl layer, 3mm of 100% cork, and 1.2 mm vinyl backing layer. Overall thickness of planks shall be 6mm.
 - ii. Tongue and groove shall be machined into planks to tolerances, which ensure tight and level seaming of the floor when installed per specification.
 - iii. Style: *Specify name as listed on manufacturers sample*
 - iv. Physical Properties / Characteristics:
 - a. Dimensions:
 - 1. Standard Dimensions: 48-1/4" x 5-11/16" x 1/4"
 - 2. Standard Thickness: 1/4"
 - 3. Pattern Repeat: Every 12 Planks
 - v. ASTM Testing:

Classification	Standard	Unit	Specification
ASTM Standards			
Airborne Sound Transmission Loss	ASTM E90 / ASTM E413	STC (dB)	62 dB
Impact Sound Transmission	ASTM E492 / ASTM E989	IIC (dB)	61 dB
Impact Sound Transmission	ASTM E2179	ΔIIC	18 dB
Smoke Density	ASTM662	KW/m ²	Flaming & Non Flaming ≤ 450
Radiant Panel	ASTM E648	(W/cm ²)	≥ 0.45 W/cm ² Exceeds Class 1
Thermal Resistance	ASTM C177	R-value (m2K)/W	0.432
Residual Indentation	ASTM F1914	%	0.4%
Static Load Limit	ASTM F970	in or mm	≤ 0.005 in (load of 250 lb) ≤ 0.127 mm (load of 113.4 Kg)
Ignition Characteristics of Finished Textile Floor Covering Systems	ASTM D2859	-	Meets the criteria
Safety			
Fire Resistance	ISO 11925-2/ISO 9239-1 (classification according to EN 13501-1)	Class	Bfl-s1
Slip Resistance	EN13893	Class	DS
Additional Properties			
Stain Resistance	ISO 26987 (a)	Grade	Grade 0 (b)
Thermal Resistance	EN 12667	(m2K)/W	0.05
Impact Sound Reduction	ISO 140-8	dB (ΔLw)	16 dB
Walking Sound	IHD-W431	dB (A)	Reduction improvement 11.1 dB Difference of loudness 51.1%
Moisture Exposure	IHD 423	mm	No visible effect

Part 3 - Execution

3.01 Sub-floor preparation

- A. Prepare sub-floor according to manufacturers recommendations.
- B. Provide detailed sub-floor preparation guidelines to those responsible for sub-floor preparation.

3.02 Application

- A. Provide detailed manufacturers' installation instructions to floor installer.
- B. CorkCore|LVT installation shall commence when all other trades have completed work.
- C. Conditions on site for acclimation and installation shall be maintained for 72 hours prior, during and 72 hours after installation between 65°F and 75°F with relative humidity between 45% and 65%.
- D. Compare CorkCore|LVT™ with submitted approved samples to ensure installation of the correct materials.
- E. Inspect material, as it is installed for manufacturing defects.
- F. Maintain sub-floor temperature for 72 hours prior, during and 72 hours after installation between 65°F and 75°F.
- G. Install CorkCore|LVT material according to manufacturers' instructions.
- H. Tile pattern: CorkCore|LVT shall be installed in an ashlar (staggered joint) pattern.
- I. Install material using only adhesives and floor preparation materials recommended by the manufacturer.
- J. After floor installation is complete, install floor transitions and base according to instructions.

3.03 Curing, Cleaning and Protection

- A. Protect the floor against scratching and gouging with material suited to the type of traffic it shall be submitted to during the completion of construction/renovation.
- B. After completion of construction, the floor shall be cleaned according to manufacturers' instruction.
- C. Provide manufacturers detailed post-installation maintenance instructions to those responsible for post-installation maintenance.

For more information about Expanko visit our website at www.expanko.com or call 800.345.6202.