



## 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](http://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](http://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
<b>ASTM Standards</b>			
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 <sup>2</sup>	Flaming & Non Flaming ≤ 450
Radiant Panel	ASTM E648	(W/cm <sup>2</sup> )	≥ 0.45 W/cm <sup>2</sup> 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
<b>Safety</b>			
Fire Resistance	ISO 11925-2/ISO 9239-1 (classification according to EN 13501-1)	Class	Bfl-s1
Slip Resistance	EN13893	Class	DS
<b>Additional Properties</b>			
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](http://www.expanko.com) or call 800.345.6202.