



# WE Cork

## UNDERLAYMENT

*Improve the comfort of your home by adding warmth, sound control, and cushion under foot with quality WE Cork Underlayments for ALL of your flooring needs.*



# SOLUTIONS FOR CERAMIC TILE:



## Soundless+(1/2")

**Sound Control:** Meets typical building codes for wood joist structures with or without suspended ceiling and provides superior sound control for concrete substrates with or without a suspended ceiling.

**Thermal insulation:** inhibits the cold transference from the sub floor resulting in warmer tile. When used with electric radiant mats, it prevents heat loss through the subfloor. **R-value: 3.1**

**Crack Isolation:** Offers superior stress crack protection on concrete subfloors  
Independent Lab Results: ASTM F147: No Cracks

## Soundless (6mm)

**Sound Control** meets typical building codes for sound control in buildings with a suspended ceiling.

**Thermal insulation:** inhibits the cold transference from the sub floor resulting in warmer tile. When used with electric radiant mats, it prevents heat loss through the sub-floor. **R-value: 3.1**

**Crack Isolation:** Offers stress crack protection on concrete subfloors  
Independent Lab Results: ASTM F147: No Cracks

## Crackless+

**Crack Isolation:** Offers economical and effective protection of ceramic tile and marble from minor existing and future stress cracks in the subfloor.

Independent Lab Results: ASTM F147: No Cracks

SOUNDLESS (1/2") TEST RESULTS		
SUBFLOOR	Susp. Ceiling	IIC
6" concrete	Yes	63
	No	53
	No	59
	Yes	60
	Yes	67
Wood Joist w/ concrete	No	52
	Yes	56

**WECU Soundless+ Sheets**  
3'x4'x1/2" (150/Pallet)

**WECU Soundless Rolls**  
4'x100'x6mm (6/Pallet)

**WECU Soundless Sheets**  
3'x4'x6mm (175/Pallet)

**WECU Crackless+ Rolls**  
3'x50'x3/64" (35/Pallet)

SOUNDLESS+(6MM) TEST RESULTS		
SUBFLOOR	Susp. Ceiling	IIC
6" concrete	Yes	56
	Yes	56
	No	19Δ

# SOLUTIONS FOR LVT AND LINOLEUM:



## Silently-LVT

**Sound Control:** Meets typical building codes for wood joist structures with or without suspended ceiling and provides sound control for concrete substrates with or without a suspended ceiling.

**Thermal insulation:** inhibits the cold transference from the sub floor resulting in warmer floor. When used with electric radiant mats, it prevents heat loss through the sub-floor. **R-value: 3.1**

SOUNDLESS+(6MM) TEST RESULTS		
SUBFLOOR	Susp. Ceiling	IIC
6" concrete	No	59
	No	20Δ

**WECU Silently LVT Rolls**  
40"x50"x2mm (25/Pallet)



# SOLUTIONS FOR HARDWOOD AND LAMINATE:

WARM&QUIET 1/2"		
TEST RESULTS		
SUBFLOOR	Susp. Ceiling	IIC
6" Concrete	No	59

**Warm&Quiet 1/2" Sheets**  
Sheets: 2'x3'x1/2 (150/Pallet) - Pallet Only

**Warm&Quiet 1/4" Sheets**  
Sheets: 2'x3'x6mm (616/Pallet-28/Carton)

**Warm&Quiet 1/4" Rolls**  
4'x50'x6mm (12/Pallet)

**Warm&Quiet 1/8" Rolls**  
4'x100'x3mm (175/Pallet)

WARM&QUIET + 6MM		
TEST RESULTS		
SUBFLOOR	Susp. Ceiling	IIC
	No	52
6" Concrete	Yes	59
	No	50
Wood Joint / Gypcrete	No	51
8" Concrete	No	56

WARM&QUIET 3MM		
TEST RESULTS		
SUBFLOOR	Susp. Ceiling	IIC
6" Concrete	No	59
8" Concrete	No	20Δ

SILENTLY+ 2MM		
TEST RESULTS		
SUBFLOOR	Susp. Ceiling	IIC
Wood Joist w/ Concrete	No	55

**WECU Silently+ Rolls**  
3'x50'x2mm (24/Pallet)



## Warm&Quiet 1/2"

**Sound Control:** Meets typical building codes for wood joist structures with or without suspended ceiling and provides superior sound control for concrete substrates with suspended ceiling.

**Thermal Insulation:** inhibits the cold transference from the sub floor resulting in warmer floor. When used with electric radiant mats, it prevents heat loss through the sub-floor. **R-value: 3.1**

## Warm&Quiet+ (6mm):

**Sound Control:** Meets typical building codes for wood joist structures with or without suspended ceiling and provides sound control for concrete substrates with or without a suspended ceiling.

**Thermal insulation:** inhibits the cold transference from the sub floor resulting in warmer floor. When used with electric radiant mats, it prevents heat loss through the sub-floor. **R-value: 3.1**

## Warm&Quiet (3mm):

**Sound Control:** Meets typical building codes for wood joist structures with or without suspended ceiling and provides sound control for concrete substrates with or without a suspended ceiling.

**Thermal insulation:** inhibits the cold transference from the sub floor resulting in warmer floor. When used with electric radiant mats, it prevents heat loss through the sub-floor. **R-value: 3.1**



## Silently+ (2mm):

**Sound Control:** Meets typical building codes for wood joist structures with or without suspended ceiling and provides sound control for concrete substrates with or without a suspended ceiling.

**Thermal insulation:** inhibits the cold transference from the sub floor resulting in warmer floor. When used with electric radiant mats, it prevents heat loss through the sub-floor. **R-value: 3.1**

# UNDERLAYMENT INSTALLATION INSTRUCTIONS

## MATERIALS

- Ceramic Tile: Larger than 4"x4" tile Thin Set (Sanded): to meet ANSI A 118.4 for latex Portland Cement. All ceramic tile installation must conform to ANSI A 108
- WECU: WECU Crackless+ for stress crack suppression under Ceramic tile and sound control under laminate floors; WECU Soundless for sound control for concrete structure with suspended ceiling; WECU Soundless+ for optimum sound control for concrete and wood joist structure with or without suspended ceiling.
- ADHESIVE: for above grade, indoor installation use a ceramic tile mastic which conforms to ANSI A. 136.a TYPE I or a good quality indoor/outdoor carpet adhesive.
- CERAMIC TILE: Set with sanded thin set mixed with minimum acrylic latex solids of 20% to insure strong bond. Be certain to follow manufacturers recommended curing time before using floor.
- MARBLE: Install using a medium bed mortar mixed with acrylic latex or use the mud set method.

## WECU SILENTLY-LVT

- PRIOR TO INSTALLATION: Silently-LVT should be removed from the packaging and acclimated for 24-48 hours in room temperature between 65 and 84 degrees Fahrenheit. Humidity should not exceed 75%.
- GLUE DOWN FLOORING: There are two accepted procedures when installing a 'glue-down' LVT application over Silently-LVT underlayment. 1) glue/glue method – glue the Silently-LVT to the subfloor and glue the LVT flooring to the glued-down underlayment and 2) glue/float – float the Silently-LVT over the subfloor and glue the LVT flooring to the floating underlayment. In both installation methods, cut Silently-LVT to the desired length; butt directly to the perimeter and tightly butt the seams across the room. Install the flooring perpendicular to the seams of the Silently-LVT to the subfloor as you use to glue the flooring to the Silently-LVT. Always follow flooring manufacturer's installation instructions, using recommended v-notched trowel and spread rate. Roll the glued-down Silently-LVT underlayment in both directions with a 70-100 lb roller. It is critical that the Silently-LVT be installed smoothly and well seamed.
- FLOATING FLOOR: Follow the instructions for product acclimation, subfloor prep and perimeter isolation. Loose lay Silently-LVT against the perimeter, and butt seams tightly. Follow flooring manufacturers recommended installation instructions for flooring. Install floating LVT flooring perpendicular to the seams of the Silently-LVT

## PERIMETER ISOLATION FOR SOUND CONTROL INSTALLATIONS:

- Install the Silently-LVT wall to wall. Then install the flooring leaving 1/4" gap around the perimeter. Fill the gap around the perimeter with a non-hardening acoustical sealant. This will prevent contact between flooring and the wall to minimize sound transfer. Finally, install the molding. Use a thin layer of non-hardening acoustical sealant between the floor and molding to discourage sound transfer.



## ADDITIONAL INSTRUCTIONS FOR HARDWOOD

- For a glue-down floor, the WECU needs to be glued to the subfloor, with the wood flooring glued to the WECU. Choose floor manufacturer's recommended adhesive for application on WECU. Choose floor manufacturer's recommended adhesive for application on WECU
- For a floating-floor system, the WECU can be loose laid over the subfloor, and the wood flooring floated above that.
- For a nail-down floor, the WECU is loose laid over the subfloor. A double layer of 3/8" plywood, glued and screwed together at right angles is then laid over the WECU, and the wood floor is nailed into the plywood.
- To preserve the integrity of the sound rated floor system, never mechanically fasten the WECU with nails, screws or staples, since this will severely diminish the acoustical performance of the system.

## APPLICATION UNDER CERAMIC TILE, MARBLE & HARDWOOD FLOORING

- Subfloor must be structurally sound, level and clean.
- Spread out adhesive on subfloor with flat side of a an appropriate trowel to achieve good bond width. Then, use the notched side for a good bond to WECU.
- Install WECU, butting seams and up to walls snugly.
- Roll over WECU with 75-100 lbs roller starting in the center and rolling to the outer edge to eliminate air bubbles.
- Cover seams using 1" masking tape. Once WECU is securely Adhered to the subfloor, proceed with the installation of selected flooring product.
- For Sound Control: Leave a 1/4" gap between perimeter wall and flooring. Insert WECU expansion-joints or fill with acoustical sealant to prevent sound from being transmitted through the walls.

## WECU SILENTLY+

- For use under floating wood and laminate floors loose lay the WECU Silently+ over the subfloor.
- Where the WECU Silently+ meets the wall the vapor barrier should be allowed to run up the wall and taped with a moisture resistant tape (duct tape).
- Butt seams snugly throughout the installation, allow the plastic to overlap. Tape down plastic vapor barrier along seam using a moisture resistant tape (duct tape).
- At the finishing wall allow the plastic vapor barrier to run up the wall and then tape. If necessary, trim back rubber portion of underlayment leaving only the plastic vapor barrier remaining prior to running up the wall.

## WECU UNDER RADIANT IN-FLOOR HEAT

- When installing our WECU to the subfloor follow our installation Instructions for application under ceramic tile, marble & hardwood flooring using latex modified thin set or a freeze/thaw stable adhesive. Installation instructions of the in-floor heating vary by manufacturer. WE Cork recommends that you follow the manufacturers installation instructions.

# WE Cork

*Quality Cork Products For Five Generations*

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