



# CSU-400 Cork Sound Underlayment

TECHNICAL DATA

**CSU-400 Cork Sound Underlayment** is a rolled sound reduction underlayment designed for indoor use under vinyl flooring products and is comprised of recycled polyurethane foam, EVA foam and cork granules with > 90% post-industrial recycled content. It reduces sound transmission from room to room while providing thermal insulation and comfort and is easy to cut, allowing for easy installation and can be installed under glue-down or loose lay flooring products. The material is non-absorbent and will resist mold and mildew growth.

<b>Nominal Dimensions</b>	3.5' x 100' x 1.9 mm (51 lbs. per Roll)
<b>Coverage</b>	350 sq. ft. per Roll
<b>Density</b>	19-20 lb./ft <sup>3</sup>
<b>Tensile Strength</b>	> 750 KPa
<b>Compression @ 100 psi</b>	< 24%
<b>Recovery</b>	> 85%
<b>Shore Hardness</b>	45 - 50

## Acoustical Performance - 6 Inch Concrete Slab

**ASTM F2179 - Effectiveness of Floor on Impact Sound Transmission** ΔIIC 21

## Acoustical Performance - 8 Inch Concrete Slab

**ASTM F2179 - Effectiveness of Floor on Impact Sound Transmission** ΔIIC 23

<b>Service &amp; Storage Temperature</b>	65° - 85° F
<b>Application Method</b>	Fully Adhered
<b>Seam Sealing Method</b>	Tightly Butted and Taped with 3M 3903 6.5 mil Vinyl Duct Tape, Tyvek House Wrap Tape or equivalent underlayment seam tape
<b>Application Methods for Flooring</b>	Floating Full Glue (Treat CSU-400 as Non-Porous, Non-Absorptive)

<b>Sustainability Information</b>	Contributes to LEED v4/4.1 FloorScore Certification
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*The following information is provided as general guidance, always refer to the current installation information on the product website for the resilient flooring being installed for complete information.*

<b>Approved Flooring Products</b>	LVT/LVP
<b>Approved Substrates &amp; Surfaces</b>	Concrete above, on, or below grade; properly prepared for moisture sensitive resilient flooring in place a minimum of 45 days APA rated plywood underlayment Properly prepared Portland cement based patches & underlayments Properly prepared Gypsum cement based underlayments Radiant heated sub-floors



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<b>Site Requirements</b>	<p>During acclimation, the site must be fully enclosed, weather tight, and material must be in the installation area with the HVAC system functional and operating at desired service temperatures for a period of 48 hours prior. It is recommended to maintain an ambient relative humidity between 40% and 60% for a period of 48 hours prior to installation, during the installation and for the service life of the installation afterwards.</p>
<b>Substrate Requirements</b>	<p>All substrates must be prepared according to the information contained within the product installation instructions.</p> <p>Concrete substrates, whether on-grade and/or below grade must have an intact and effective moisture vapor barrier which meets the current requirements of ASTM E1745.</p> <p>Substrates must be clean, smooth, permanently dry, flat, and structurally sound.</p> <p>Substrates must be free of visible water or moisture, dust, sealers, paint, sweeping compounds, curing compounds, residual adhesives, concrete hardeners or densifiers, solvents, wax, oil, grease, asphalt, visible alkaline salts or excessive efflorescence, mold, mildew and any other extraneous coating, film, material or foreign matter.</p>
<b>Product Installation</b>	<p>Ensure substrate is prepared appropriately to receive the underlayment.</p> <p>Unroll CSU-400 perpendicular to the intended direction of the flooring material planks or tiles.</p> <p>Tightly butt seams and apply approved tape to treat the seam.</p> <p>Ensure to honor the perimeter gap according to the Perimeter Isolation section below.</p> <p>Select appropriate adhesive for use on Non-Porous (Non-Absorptive) surface.</p>
<b>Perimeter Isolation</b>	<p>In order to preserve the sound reduction properties of the CSU-400, finished flooring cannot make direct contact with the perimeter wall or any vertical surface attached to it, such as electrical boxes, heating ducts, columns and pipes or rigid baseboards, moldings, trim and accessories.</p> <p>To isolate the perimeter, leave a 1/4" gap between the finished flooring and all vertical surfaces and a 1/8" gap between the finished flooring and rigid baseboards, moldings, trim and accessories. Seal all gaps with a permanently flexible acoustical grade caulk, such as the Color Rite sealant/caulk. Ensure caulk is clear, colored or paintable.</p>
<b>Disposal</b>	<p>Disposal in accordance with local, state and federal regulations.</p> <p>Empty packaging is recyclable.</p>
<b>Product Warranty</b>	<p>10 Year Warranty</p> <p><i>See product warranty for full details regarding bond warranty, limitations, and warranty coverage.</i></p>
<b>Technical Support</b>	<p><a href="mailto:solutions@rhctechnical.com">solutions@rhctechnical.com</a></p>
<b>Product Support</b>	<p><a href="mailto:solutions@rhctechnical.com">solutions@rhctechnical.com</a></p>
<b>Technical Documentation</b>	<p><a href="http://www.excelsiorproducts.net">www.excelsiorproducts.net</a></p>