



WECU Warm & Quiet Underlayment

SPECIFICATION

Thanks to the high density of cork, WECU cork underlayment does not compress and lose its efficacy over time. It provides long term performance without the risk of collapse or bottoming out due to high loads and continual use – a common problem associated with foam and other less dense underlayments.

Warm & Quiet (3mm) and Warm & Quiet+ (6mm) from our WECU cork underlayment portfolio is designed specifically for laminate and engineered wood floors. It adds thermal insulation for on and below grade floors, reducing energy costs. It also has significant insulation value, reducing sound transmission between floors. An independent lab test has shown Warm & Quiet to have a Delta IIC 25 on a 6” slab, non suspended ceiling. (Complete sound ratings test reports are available upon request.)

The specifications below are for Warm & Quiet (3mm). Warm & Quiet+ (6mm) has the same specifications except for higher thermal insulation value and sound control ratings, which means even greater energy savings.

1. IDENTIFICATION

| CHARACTERISTIC | DESCRIPTION |
|-------------------|---------------------------|
| Binder | Polyurethane |
| Color | Natural |
| Cork Granule Size | 2/4 mm |
| Density | 10-13 lbs/ft ³ |
| Thicknesses | 6mm, 3mm |

2. PHYSICAL PROPERTIES

| PROPERTY | MEASUREMENT | TEST METHOD |
|----------------------------------|----------------------------|-------------|
| Specific weight | 150-220 kg/m ³ | ISO7322 |
| Tensile strength | 200 KPa | ISO 7322 |
| Compression | 30-50 % | ISO 7322 |
| Recovery | 70% | ISO 7322 |
| Water Absorption | no disaggregation | ISO 7322 |
| Thermal Conductivity (R Factor) | 2.6 (for 6mm) | ASTM C177 |
| Dimensional Tolerances Thickness | <2 mm, Tolerance: + 0.1 mm | |

Benefits of Cork

Cork is a natural product with remarkably unique qualities unmatched by any other material. Cork is superior because it is:



Quiet & Acoustic

Cork's many air cells contribute to its excellent acoustical advantage, providing efficient sound resistance above and below the floor. Cork is an effective way to muffle the sound of children playing in a room above.



Warm & Insulating

The cellular structure of cork creates thermal insulation, inhibiting cold transfer from the sub-floor. Cork performs excellently in basements, and in applications over slab or pier and beam foundations.



Soft & Comfortable

Cork has over 200 million enclosed air cells in every cubic inch, giving it resilience and comfort underfoot. Since walking on cork is like walking on air, adding cork to a room means adding comfort.



Environmentally Friendly

Cork is a 100% rapidly-renewable resource, made from the bark of the cork oak tree. The bark is carefully stripped off the tree and regenerates for a new harvest every nine years. We never cut down the tree!



Hypoallergenic & Anti-Fungal

The cork tree coats itself with suberin (a sappy substance) when its bark is removed, to protect against mold, mildew and insects. This suberin grows into the cork and generates unsurpassed natural anti-fungal and hypoallergenic properties. This makes cork beneficial for anyone sensitive to mold and mildew or has allergies.

These are the key benefits cork is famous for, and what puts it in a category all its own. To learn more about cork's unique physical properties, visit www.wecork.com.

