

Megacork UNDERLAYMENT

SOUND CONTROL THROUGHOUT NATURE



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Choose cork Why ?

The cork trees (*Quercus Suber*) are found in many parts of Mediterranean region. Portugal is the world's largest producer of cork. Cork is the outer bark of cork tree, and its stripping, every nine years, is essential to the conservation and development of cork forest, maintaining the trees alive.

Cork The unique structure

The characteristics of cork are unique and exceptional. Each cubic centimetre contains 40 million tiny cells, each one imprisoning a microscopic volume of air.

This cellular characteristic, where more than 50% of its volume is air, combined with the nature of the cellulosic cell membranes, guarantees excellent characteristics of resilience, compressibility with low Poisson's ratio.

Some of cork's most unique and useful properties are:

- Insulation
- Direct and easy installation
- Excellent impact noise reduction
- Environmentally friendly
- Moisture Resistant
- Increases thermal resistance

Why Megacork Underlayment Products ?

Megacork Underlayments are recognized the best choice for sound control and stress crack suppression issues involving the installation of hard surfaces in condominiums and apartment buildings. Cork underlayment has such outstanding accoustical properties that it will meet or exceed the multi-level code requirements of most homeowner associations.

Megacork Underlayment is a natural choice for Sound Control Underlayment. Is an ideal and economical solution to provide a necessary sound control.

Easy to install, environmentally friendly, cork underlayment does not deteriorate after years of use.

Megacork Underlayment is recommended for sound reduction and stress crack protection .

It has been independently tested according to ASTM standards for accoustical values .



Cork tree (*Quercus Suber*)

Product (Thickness)	Flooring	Slab (Thickness)	Result	▲ IIC
Megasilence 6mm	wood laminare	6"concrete 5/8" gypsum ceiling	STC = 62 IIC = 62	
Megasilence 6mm	ceramic tile	6"concrete 5/8" gypsum ceiling	STC = 63 IIC = 58	
Megasilence 12mm	wood laminare	6"concrete 5/8" gypsum ceiling	STC = 62 IIC = 62	
Megasilence 12mm	ceramic tile	6"concrete 5/8" gypsum ceiling	STC = 65 IIC = 60	
Megasilence 12mm	wood laminare	6"concrete no suspended ceiling	STC = 51 IIC = 51	△ IIC-19
Megasilence 12mm	ceramic tile	6"concrete no suspended ceiling	STC = 54 IIC = 50	△ IIC-22

Tests performed by RAL (Riverbank Accoustical Laboratories) in July 2006 in explicit conformity with ASTM E 90-04; E413-04; E 492-04; E 986-04; E 986-06; E 2179-03; E 989-06 as well as other individual test reports available under pertinent request standards.