



CORK ROLLS

CORKART Cork Rolls

Packing

Composition cork rolls shall be dispatched in packages that provide suitable protection, and which are sufficiently watertight to keep the moisture content of the cork as specified under normal storage conditions.

Typical uses

Due to the low thermal conductivity levels and effective sound insulation of cork, cork rolls are commonly used as a backing material for floating floors or as an underlay for any kind of floor covering. Cork rolls are a cost effective solution for reducing impact noise problems. Due to the unique 40 million cells per cubic centimetre honeycomb structure of cork and the special nature of the resin binder, it performs outstandingly under floating and laminated floors, wooden floors, ceramic tiles, natural stone, linoleum and vinyl floors.

Technical agglomerated cork can be used in domestic and commercial applications like: The use of cork rolls contributes significantly to the acoustic and thermal performance of buildings, improving environmental comfort and reducing energy costs.

Compliance with the building regulations

The sound insulation of floors is a necessary requirement of the Building Regulations. When used with appropriate structural floor and ceiling constructions, cork underlay can meet the performance requirements for sound insulation of most of the National Building Regulations.

Base Composition of cork granules. Size 1 – 3 mm.

Density 190 Kg/m³- 210 Kg/m³ (11.7 lb./ft.³ - 12.5 lb./ft.³).

Tensile Strength 5 - 8 Kg/cm².

Flexibility F5 Pass.

Disintegration None after 3 hours immersion in boiling water.

Thermal Insulation 0.042 Kcal/m³h °C.

ACOUSTICAL RATINGS

	With Cork 6mm			
	Ceramic Finish		Wood Finish	
	STC	IIC	STC	IIC
Concrete Slab 8"	58	60	56	62
Concrete Slab 6"	53	58	54	59
Concrete Slab 4" and Steel Deck	60	64	60	65
Wood Joist Construction	54	59	54	60

Fire Behavior

The underlayment is a fire inhibitor which neither spreads flame nor releases toxic gasses on combustion.

Dimensional Tolerance

Length & Width: ± 0.5mm; Thickness: ± 0.2mm.

> SPECIFICATION REQUIREMENTS

CHARACTERISTIC	REQUIREMENT	TEST METHOD
Roll Length	Nominal \pm 1%	EN 426
Roll Width	Nominal \pm 0,5%	EN 426
Overall thickness	Nominal \pm 0,15 mm	EN 428
Density	Nominal \pm 5%	EN 672
Mass per unit area	Nominal \pm 10%	EN 430
Flexibility	PASS	EN 435 / A
Tensile strength		ISO 7322
Direction perpendicular to compression	\geq 350 kPa	
Direction to compression	\geq 250 kPa	
Moisture content	\leq 8%	EN 12105
Impact noise reduction	DLw (chapter 5 EN ISO 717-2) 2.0 mm thickness - 18 dB 4.0 mm thickness - 19 dB	ISO 717-2

> ADDITIONAL PROPERTIES

CHARACTERISTIC	REQUIREMENT	TEST METHOD
Thermal Conductivity	Conductivity 0,04 W / (m.K)	EN 12664
Thermal Resistance	Thickness 2 mm - 0,050 m ² .K/W 4 mm - 0,100 m ² .K/W	EN 12664
Compression	4 mm - 0,100 m ² .K/W	ISO 7322
Recuperation	\leq 35%	ISO 7322
Resistance to boiling water	\geq 75%	ISO 7322
Durability	Lifetime	
Reaction to Fire	Cork underlayment is a fire inhibitor which neither spreads flame nor releases toxic gases on combustion. Class Cfl	EN 13501-1