



CORK ROLLS

AGGLOMERATED CORK ROLLS - TECHNICAL DATA SHEET

Description:

- Natural, renewable, anti-static and anti-allergic product;
- No formaldehyde;
- No harmful chemicals;
- Odourless;
- Shock and sound absorption;
- It allows levelling of small defects of floors;
- Increases the thermal comfort of the surface floor;
- Safe and easy to handle and install;
- Suitable for under floor heating;
- Ideal in combination of thermal and acoustic insulation;
- Meets “Green Building” requirements;
- Contains 90% (by weight) of post-industrial recycled content;
- Natural, recyclable product.

Typical Uses:

Due to the low thermal conductivity levels and effective sound insulation of cork, cork rolls are commonly used as an underlay for floating floors, wooden floors, ceramic tiles, natural stone, linoleum and vinyl floors.

Cork rolls can be used in domestic and commercial applications contributing significantly to the acoustic and thermal performance of buildings, improving environmental comfort and reducing energy costs.

The use of a natural and renewable raw-material and the possibility of total recycling of the product for other uses, make the agglomerated cork rolls a reference in terms of ecology and environmental sustainability.

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.

Supplementary information:

Agglomerated cork rolls are GREENGUARD® certified, meaning that they have low chemical emissions, improving the quality of the indoor air in the places where they are used.



Technical specifications:

Description	Agglomerated underlayment for commercial and residential applications		
Materials	Granulated cork and polyurethane cork binder		
Granulate Size	05 - 3 mm		
Available Measures	Width: 500 mm to 1300 mm, thickness between 1 to 15mm		
	Length: according to customer's request		
Dimensional Tolerance	Width/Length +/- 0.5 mm		
	Thickness +/- 0.2 mm		
Physical and Mechanical Properties	Specific Weight - Density - 200 kg/m ³		
	Tensile strength - \geq 200 Kpa		
	Compression - 20-40%		
	Recovery - $>$ 75%		
Thermal Properties	Thermal Conductivity - 0,04W/mK		
Humidity Level	\leq 8%		
Acoustical Properties	Thickness	Impact noise reduction	IIC ASTM E492/E989
	2mm	17 dB	45 dB
	4mm	18 dB	46 dB
	6mm	19 dB	48 dB
Fire behaviour	Flammability - Cork underlayment is a fire inhibitor which neither spreads flame nor releases toxic gases on combustion.		
	EN13501-1 - Class Cf1		
Formaldehyde	Formaldehyde has not been added		
Suitable for Under-Floor Heating	Yes		
Floatation	None after 3 hours immersion in boiling water		