

# EXPANDED CORK GRANULES

## DESCRIPTION

### EXPANDED CORK GRANULES

is a by-product obtained during the Expanded Insulation Corkboard production. Solution of lightweight filling with acoustic properties for use in screeds, flooring and interior cavity walls.

## ADVANTAGES

- > 100% natural and fully recyclable
- > Excellent thermal and acoustic insulation
- > Easy to apply
- > High durability without loss of features
- > Healthier natural product
- > CO<sub>2</sub> sink (Carbon Negative)

## PRODUCT LINES

- > Size: 0-3; 3-5; 3-10; 3-15 (mm)
- > Possible other sizes
- > Bags: 250/500 Lt

## PRODUCT SPECIFICATIONS

Test	Result
Density	60-70 Kg/m <sup>3</sup>
Thermal Conductivity	0,040 W/m°C
Fire Reaction	Euroclass E

## TECHNICAL CHARACTERIZATION (MIXING FORMULAS)

Product	M150	M250	M400
Cement (Kg/m <sup>3</sup> )	151,44	254,63	400,02
Sand (Kg/m <sup>3</sup> )	377,67	358,25	339,84
Expanded cork granules 3/10mm (Kg/m <sup>3</sup> )	60,93	53,33	58,42
Water (Lt/m <sup>3</sup> )	81,36	138,80	202,22

### M150

- > Density after 28d: 430 Kg/m<sup>3</sup>
- > Mechanical strength after 28d: 0,111 MPa
- > Thermal conductivity coefficient of the mixture:  $\lambda=0,209$  W/m°C
- > Reducing flooring impact noise (thickness 4,5cm): 22 dB

### M250

- > Density after 28d: 740 Kg/m<sup>3</sup>
- > Mechanical strength after 28d: 0,545 MPa
- > Thermal conductivity coefficient of the mixture:  $\lambda=0,215$  W/m°C
- > Reducing flooring impact noise (thickness 4,5cm): 18 dB

### M400

- > Density after 28d: 1060 Kg/m<sup>3</sup>
- > Mechanical strength after 28d: 2,234 MPa
- > Thermal conductivity coefficient of the mixture:  $\lambda=0,319$  W/m°C
- > Reducing flooring impact noise (thickness 4,5cm): 20 dB

## APPLICATION SYSTEMS

### > CAVITY WALLS AND FLOORS



### > SCREED FILLING

