

# Regranulate

## RECYCLED ECOLOGICAL PRODUCT

One of the characteristics which makes Expanded Cork Board an ecological product is its capacity to be recycled.

The result of this recycling is Granulate of Expanded Cork which is obtained by crushing the Expanded Cork Board.

## USE / BENEFITS

Direct incorporation into concrete (light concrete) makes residential floors more lightweight with thermal and acoustic advantages

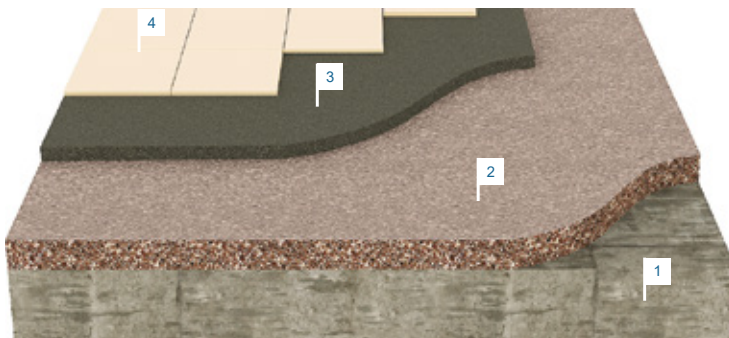
The filling of air gaps on flooring allows acoustic and thermal correction

### Technical characteristics

Density	From 65 to 80 Kg/m <sup>3</sup>
Thermal conductivity coefficient	0,045 to 0,050 W/mK
Granulometry	0-2, 2-4, 4-8, 4-10, 2-9, 3-15

Trace Volume			Weight/m <sup>3</sup>	Compr. strength Kg/cm <sup>2</sup>	Thermal cond. W/mk	Acoustic absorption		
Cement	Sand	Regr.				Serious	Medium	Acute
1	0	4	500	6	0,18	0,22	0,70	0,84
1	2	6	900	11	0,24	0,16	0,20	0,48

## DIRECT INCORPORATION INTO CONCRETE (LIGHT CONCRETE)



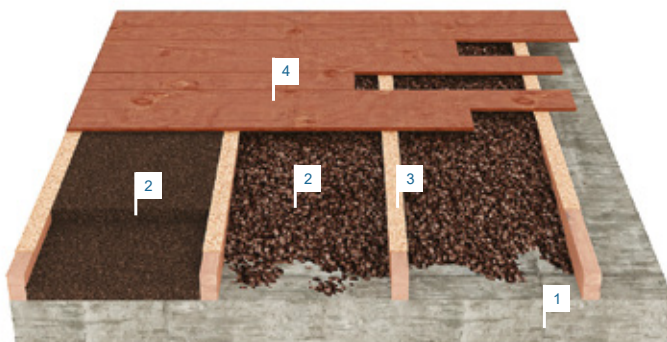
### ACOUSTIC TEST - LIGHT CONCRETE WITH EXPANDED CORK (Reduction in transmission as regards percussive sounds)

14cm concrete slab  
7cm light concrete with expanded cork  
4cm screed  
+ final flooring

**Ln,r,w = 62 dB**

1. Slab
2. Light concrete with cork/formation of slope
3. Screed
4. Final flooring

## FILLING OF AIR GAP ON FLOORING



1. Slab
2. Expanded Cork Board - ICB or Regranulate of Expanded Cork
3. Strips of compound cork agglomerate 3 to 5 mm (white cork)
4. Wooden flooring