



**AMORIM**

Amorim Isolamentos, S.A.

## **EXPANDED CORK GRANULES DATASHEET**



### **DESCRIPTION**

The Expanded Cork Granules is a by-product obtained during the Expanded Insulation Corkboard production.

The Expanded Insulation Corkboard is a 100% ecological and recyclable product, from a renewable raw material, as the cork oak bark extraction is part of their life cycle. On its production only cork granules are used, which when subjected to a thermal process releases a resin (*Suberin*), which functions as binder (natural).

### **TECHNICAL SPECIFICATIONS**

Excellent thermal acoustic system properties  
Thermal conductivity:  $\lambda = 0,040 \text{ W/m}^\circ\text{C}$   
Density: 60 to 70  $\text{Kg/m}^3$

### **ENVIRONMENTAL SPECIFICATIONS**

100% recycling of pre and post-consumer waste (no virgin materials)

### **PRODUCT**

Size: 0-3; 3-5; 3-10; 3-15 mm  
(possible other sizes)

### **PACKING**

Raffia Bags  
Plastic Bags  
Big-Bag

### **ADVANTAGES**

Excellent thermal acoustic performance  
Excellent mechanical strength  
Dimensional stability of the material  
High durability without loss of features  
Healthier natural product  
Comfort with healthy insulation  
Allows energy savings  
Long term effectiveness

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NIF N° PT 502 863 145

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## RESULTS SUMMARY REPORT

– UME064/14 –

Based in the report OMH063/14; AGR020/14; AGR024/14; OMC020/14; OMC021/14.  
Date: 30/06/2014

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The product has the reference **Granulado natural de cortiça expandida 2/10**, produced by **Amorim Isolamentos, S.A.**

### Performed tests and results:

Property	Results
Thermal Conductivity (EN 12667)	0,041 W/(m.°C)
Loose Bulk Density (NP EN 1097-3)	60 Kg/m <sup>3</sup>
Particle Size Distribution (EN 933-1 and NP ISO 2030)	98 % of the material with dimensions between the 10 mm and 1 mm
Reaction to Fire (EN 13501-1)	Classe E

Note: This report is not a replacement for the individual test reports which served as its basis. For a complete analysis and interpretation of the results see individual test reports.

Report author: 

Technical supervisor:   
(Technical and Scientific Supervisor)

Administration: 

UME064/14

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