

Bellaterra: 14th November, 2022

File number: **22/32308063**

Reference of the petitioner: **SOLAR INNOVA GREEN TECHNOLOGY, S.L.**
Paseo de los Molinos, 12
03660 Novelda
Alicante
España

REPORT

1.- PRODUCT CHARACTERISTICS

Product Trade name: **SOLAR INNOVA**

Reference: SI-ESF-M-BIPV-CT-M156-40

Double tempered-glass photovoltaic modules for architectural integration (BIPV).
Tempered glasses.

Technical details of the product:

Dimension range: 200x200 mm – 2500x2500 mm

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The product has 2 layer:

- Layer nº1:

- Material: Tempered glass
- Thickness range: 3 – 15 mm.
- Density: 2,56 kg/m³
- Superficial density Range: 7,68 – 38,4 g/m² (It has been calculated with the values of thickness and density provided by the petitioner)
- Colour: Opaque or Transparent
- Appearance: Smooth or Rough

- Layer nº2:

- Material: Tempered glass
- Thickness range: 3 – 15 mm.
- Density: 2,56 kg/m³
- Superficial density Range: 7,68 – 38,4 g/m² (It has been calculated with the values of thickness and density provided by the petitioner)
- Colour: Opaque or Transparent
- Appearance: Smooth or Rough

Fabricante: SOLAR INNOVA GREEN TECHNOLOGY, S.L. Dirección: Paseo de los Molinos, 12, 03660 Novelda, Alicante, España

REFERENCE DOCUMENTS

EUROPEAN COMMISSION DECISION

COMMISSION DECISION

Of 4 October 1996

Establishing the list of products belonging to Classes A "No contribution to fire" provided for in Decision 94/611/EC implementing Article 20 of Council Directive 89/106/EEC on construction products

96/603/CE

COMMISSION DECISION

Of 26 September of 2000

Amending Decision 96/603/EC establishing the list of products belonging to Classes A "No contribution to fire" provided for in Decision 94/611/EC implementing Article 20 of Council Directive 89/106/EEC on construction products

2000/605/EC

COMMISSION DECISION

Of 6 June of 2003

Amending Decision 96/603/EC establishing the list of products belonging to Classes A
"No contribution to fire" provided for in Decision 94/611/EC implementing Article 20 of
Council Directive 89/106/EEC on construction products
2003/424/EC

ANNEX (96/603/EC)

Materials to be considered by Decision 94/611/EC as being in Classes A1 and A1_{fl} reaction to fire without testing.

General notes

Products should be made only from one or more of the following materials if they are to be considered as Classes A and A_{fl} without testing. Products made by gluing one or more of the following materials together will be considered Classes A and A_{fl} without testing provided that the glue does not exceed 0,1% by weight or volume (whichever is the lower).

Panel products (e.g. of insulating material) with one or more organic layers, or products containing organic material which is not homogeneously distributed (with the exception of glue) are excluded from the list.

Products made by coating on of the following materials with an inorganic layer (e.g. coated metal products) may also be considered as Classes A and A_{fl} without testing.

None of the materials in the table is allowed to contain more than 1,0% by weight or volume (whichever is the lower) of homogeneously distributed organic material.

Material	Notes
Expanded clay	
Expanded perlite	
Expanded vermiculite	
Mineral wool	
Cellular glass	
Concrete	Included ready-mixed concrete and precast reinforced and prestressed products.
Aggregate concrete (dense and lightweight mineral aggregates, excluding integral thermal insulation)	May contain admixtures and additions (e.g. PFA), pigments and other materials. Includes precast units.
Autoclaved aerated concrete units	Units manufactured from hydraulic binders such as cement and/or lime, combined with fine materials (siliceous material, PFA, blast furnace slag), and cell generating material. Includes precast units.
Fibre cement	
Cement	
Lime	
Blast furnace slag/pulverized fly ash (PFA)	
Mineral aggregates	
Iron, Steel and stainless steel	Not in finely divided form.
Copper and copper alloys	Not in finely divided form.
Zinc and zinc alloys	Not in finely divided form.
Aluminium and aluminium alloys	Not in finely divided form.
Lead	Not in finely divided form.
Gypsum and gypsum based plasters	May include additives (retarders, fillers, fibres, pigments, hydrated lime, air and water retaining agents and plasticisers), dense aggregates (e.g. perlite or vermiculite).
Mortar with inorganic binding agents	Rendering/plastering mortars and mortars for floor screeds based on one or more inorganic binding agent(s), e.g. cement, lime, masonry cement and gypsum.
Clay units	Units from clay or other argillaceous materials, with or without sand, fuel or other additives. Includes bricks, tiles paving and fireclay units (e.g. chimney liners).
Calcium silicate units	Units made from a mixture of lime and natural siliceous materials (sand, siliceous gravel or rock or mixtures thereof). May include colouring pigments.
Natural Stone and slate products	A worked or non-worked element produced from natural stone (magmatic, sedimentary or metamorphic rocks) or slate.

Gypsum unit	Includes blocks and other units of calcium sulphate and water, that may incorporate fibres, fillers, aggregates and other additives, and may be coloured by pigments
Terrazo	Includes precast concrete terrazotiles and in-situ flooring.
Glass	Includes heat strengthened, chemically toughened, laminated and wired glass.
Glass ceramics	Glass ceramics consisting of a crystalline and a residual glass phase.
Ceramics	Includes dust-pressed and extruded products, glazed or unglazed.

CONCLUSION

Noting that the material are included within the scope of the European Commission decision 96/603/EC, the product **SOLAR INNOVA** (Dimension range: 200x200 mm – 2500x2500 mm; Thickness range: 3 – 15 mm), is classified according to the following Euroclass:

Product Classification: CLASS A1

Laboratory Manager
LGAI Technological Center S.A. (APPLUS)

Technician Responsible of Euroclases
LGAI Technological Center S.A. (APPLUS)

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