

## SEZIONE CERAMICI INDUSTRIALI

**Object:** Product called "LAMINAM 3+": identification criteria for the export.

In reply to your query about the definition of the criteria as from the object, we examined the products and the information available and we can state what follows.

### A - The product called "LAMINAM 3+"

In regard to the manufacturing process, the characteristics and the final destinations of the product "LAMINAM 3+" we outline that:

A1 - "Laminam 3+" is a product consisting of three layers:

- a thin ceramic slab (3 mm thick);
- a layer of adhesive;
- a layer of fiber.

A2 - The shaping method for ceramic slab cannot be traced back to the methods at present in use for other ceramic products, eg ceramic tiles. In particular it is different from the shaping methods A (extrusion) e B (dry



Consorzio universitario per la gestione del  
«Centro di ricerca e sperimentazione per  
l'industria ceramica».  
D.P.R. 10-4-1978 n. 806  
(G.U. 20-12-1978 n. 353)

Laboratorio autorizzato ad effettuare il  
servizio di rilevamento dell'inquinamento  
atmosferico.  
Decreto MINISTERO SANITÀ 10-8-1974  
(G.U. 14-9-1974 n. 240)

Laboratorio iscritto nell'albo dei «Laboratori Esterni  
Pubblici e Privati Altamente Qualificati».  
Decreto MINISTERO RICERCA SCIENTIFICA 6-6-1983  
(G.U. 6-7-1983 n. 183)

Membro ASTM  
American Society for  
Testing and Materials.

pressing) used for ceramic tiles and defined by the international standard ISO 13006/EN 14411 at present in force.

A3 – The geometrical features of the product as from the object are fairly different from those of other ceramic products currently available on the market: “LAMINAM 3+” is produced in sheets 300 x 100 cm, which are cut pieces of smaller size that retain the same characteristics.

A – As a consequence of its macro-structural features, together with its particular geometry, the product is suitable for various final uses, also out of the traditional destinations of ceramic tiles. Just as an example, the product is employed for furniture finishes, both civil and industrial.

**B – Conclusions and identification criteria**

“Laminam 3+” cannot be defined as ceramic tile, but a multi-layered system: so definitions, classification, characteristics and requirements listed in the international standards (ISO 13006/EN 14411) are not applicable.

In addition there are currently no other standards or rules applicable to the product in question that is highly innovative; so “Laminam 3+” performance can only be documented by the manufacturer with records of previous installations

Best regards

  
Prof. Eng. Giorgio Timellini  
Director

