

**(CE DECLARATION OF CONFORMITY ACCORDING TO DIRECTIVE 89/106/EEC
as amended by Directive 93/68/EEC and Regulation (EC) No. 1882/2003
AND THE EUROPEAN STANDARD EN 771-1:2003)**

No 5

- 1. Supplier :** CLAY BRICKS D. J. KOKKINOGENIS SA
- 2. Address :** Head Office: Peloponnese 5 - 7 183 44
Athens Mosxato, Greece
Plant: NATO Avenue – Aspropyrgos.
Greece
- 3. Product:** Rectangular parallelepiped clay brick with
horizontal drilling and coating factory size
guides. Work size: 190x190x90(mm).
- 4. Packaging :** Pallet with stretch film.
- 5. Type:** Bricks of low density, Class II for use in
protected masonry.
- 6. Use:** For masonry walls, columns and partitions.
- 7. Conformity Standard.**

The above described product conforms to the EN 771-1:2003 standard

8. Additional Information:

| | | (PRODUCT CHARACTERISTICS) | |
|-------------------------------|---------------------------|--|--|
| (Characteristic) | (Value) | (Test Method Specification) | |
| Dimensional tolerances | Length : $\pm 3,4$ | Category T _m ELOT EN 772-16:2000 | |
| | Width : $\pm 3,4$ | | |
| | Height : $\pm 6,1$ | | |
| Maximum dimensional variation | Length: 4,1 | Category R2 ELOT EN 772-16:2000 | |
| | Width: 4,1 | | |
| | Height : 2,8 | | |
| Shell thickness and tissue | Shell thickness : 10,0 mm | ELOT EN 772-16:2000 | |
| | Tissue thickness: 7,8 mm | | |
| Void | 46,7% | ELOT EN 772-03 | |

| | | |
|----------------------------|----------------------------|--------------------|
| Compressive Strength | 2,9 N / mm ² | ELOT EN 772-1:2000 |
| Gross density | 944,6 Kg/ m ³ | ELOT EN 772-13 |
| Net density | 1.773,5 Kg/ m ³ | ELOT EN 772-13 |
| Density tolerance category | Category Dm (15%) | ELOT EN 771-1 |
| Reactions to fire | A1 | |

| | | |
|-----------------------------------|------------------------|---|
| Equivalent thermal conductivity | 0,51 W/m.K | ELOT EN 1745 (tabulated value) |
| Water vapor diffusion coefficient | μ 5/10 | ELOT EN 1745 (tabulated value) |
| adhesive strength | 0,15 N/mm ² | ELOT EN 998 -2 (Annex C) (tabulated value) |
| Durability | not relevant | - |
| Water Absorption | not relevant | - |

| | | |
|----------------------|--------------|---|
| Active soluble salts | not relevant | - |
|----------------------|--------------|---|

The laboratories that conducted the initial type-testing of the product appear in following table

| PROPERTIES | LABORATORY | NUMBER CERTIFICATE/ DATE / DATE OF |
|--|--|--|
| Dimensions-dimensional tolerances | Laboratory Quality Control D. J. KOKKINOGENIS SA | Archived Quality Control Laboratory |
| Configuration (Shell thickness and tissue) | Quality Control Laboratory CERECO SA | 489B/ 07-07-2009 |
| Configuration (Void) | Quality Control Laboratory CERECO SA | 489B/ 07-07-2009 |
| Density | Quality Control Laboratory CERECO SA | 489B/ 07-07-2009 |
| Compressive Strength | Quality Control Laboratory CERECO SA | 489B/ 07-07-2009 |

The Laboratory of CERECO SA (Address: 72nd Km National Road Athens-Lamia, Chalkis).

In the factory has established and applies quality control program (Factory Production Control - FPC), according to Standard EN 771-1: 2003.

Athens 17/07/2009
 ΚΟΚΚΙΝΟΓΕΝΗΣ Α.Ε.
 The Quality Control
 ΕΡΓΑΣΤΗΡΙΟ ΠΟΙΟΤΗΤΑΣ ΚΑΙ ΜΟΧΑΤΟ
 ΕΡΓΑΣΙΟ: Α. Ν. ΤΟ ΑΣΠΡΟΤΥΡΓΟΣ
 ΤΗΛ. 557181934 2007
 ΑΦΜ 094047742 ΔΟΥ ΠΑΕ ΝΕΙΡΑΙΑ

John Kokkinogenis