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INSTITUTO NACIONAL PARA LA CALIDAD DE LA EDIFICACION

Centro de Madrid.

## Mechanical Properties

Test number: 14-1 / 83-M



# INCE

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INSTITUTO NACIONAL PARA LA CALIDAD DE LA EDIFICACION



Centro de Madrid.

## Petitioner Data:

Name: DRIZORO, S.A.  
Address: Picos de Europa, nº 12  
City: TORREJÓN DE ARDOZ, (Madrid)

Test number: 14-1/83-M

Page 1

## Material to be tested

Sample of product marked by petitioner as "MAXPLUG"

## Requested tests:

Mechanical strengths: flexural and compression strength at 30 min, 3, 7, 28 and 90 days of curing time

This certificate sets out the results obtained from the test carried out on samples which were freely selected and submitted to the Laboratory by the applicant. Consequently, INCE is only responsible for the characteristics tested by same, with reference to the samples received and not to the product in general and the conclusions formulated herein in no case go beyond the scope and significance permitted by such tests.

No information contained in this certificate shall be supplied to third parties save with the express authorisation of the applicant, this is being considered to be of a private and confidential nature.

No authorisation is granted for the publication of this document without the written consent of INCE and, in such cases, all the result obtained in the test should be included.



## **MECHANICAL STRENGTH**

### **Operative Method**

MAXPLUG product is mixed by hand with a water proportion of 30,7% of weight of the product, according to instruction given by applicant, at 13<sup>th</sup> January 1983.

Tree 40 x 40 x 160 mm samples are made up for each age being tested, using the cast specified in Specification Sheet RD-75, article 7.6.1.2.

All the mortar us poured into the cast in one go and evenly distributed without exercising pressure or using any means to compact it.

The samples reserved for testing after 30 minutes are kept in their casts for 25 minutes at an ambient temperature of 19 °C and 75% relative humidity.

The samples reserved for testing after 3, 7, 28, and 90 days are kept submerged in water at  $21 \pm 1^{\circ}\text{C}$  until they are ready to be tested.

The test for flexion and stress are carried out according to Specifications Sheet RC-75, articles 7.6.1.8. and 7.6.1.9.



RESULTS OBTAINED

| Curing time | Ultimate Strength (kp/cm <sup>2</sup> ) |      |             |      |
|-------------|---|------|-------------|------|
|             | Flexural                                |      | Compression |      |
|             | Individual                              | Mean | Individual  | Mean |
| 30 minutes  |   |      | 33          | 38   |
|             | 11                                      | 12   | 37          |      |
|             | 11                                      |      | 41          |      |
|             | 12                                      |      | 39          |      |
|             |   |      | 38          |      |
|             | 40                                      |      |             |      |
| 3 days      |   | 37   | 228         | 225  |
|             | 39                                      |      | 213         |      |
|             | 36                                      |      | 227         |      |
|             | 37                                      |      | 223         |      |
|             |   |      | 230         |      |
|             | 230                                     |      |             |      |
| 7 days      |   | 57   | 370         | 362  |
|             | 56                                      |      | 370         |      |
|             | 58                                      |      | 356         |      |
|             | 57                                      |      | 368         |      |
|             |   |      | 354         |      |
|             | 355                                     |      |             |      |
| 28 days     |   | 52   | 420         | 407  |
|             | 51                                      |      | 401         |      |
|             | 53                                      |      | 402         |      |
|             | 52                                      |      | 389         |      |
|             |   |      | 410         |      |
|             | 422                                     |      |             |      |
| 90 days     | Pending results                         |      |             |      |

Madrid, 11<sup>th</sup> February, 1983

Laboratory Manager

Material Unit Manager

(Illegible signature)  
Roberto Paseiro de Ciria

(Illegible signature)  
Bernardo Carratalá Salvador