



LAMSYCO
LABORATORIES

PREFABRICADOS WIEZE, S.A. DE C.V.
Cd. Obregón , Sonora

Report.: No. 275.13

Case: REPORT RESULTS

Cd. Obregón , Sonora, at March 06, 1213.

ATT: Arq Gomez y Cardozo
Present

By means of the present, we publicize the results, with reference to the work of verification of the transfer of a source of heat through the block of concrete composite, for experimental purposes of design of block by means of the company PREFABRICADOS WIEZE S.A. DE C.V.

Without another individual at the moment and hoping that this information is helpful in achieving the objectives pursued, we are pleased be of you.

Carefully

Received

Saul Hernandez Verdugo
Technical Coordinator

Name and Signature

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TECHNICAL REPORT

0. ANTECEDENTS.

What is requested in this laboratory by means of the Arq. Gomez and Cardoz, the realization of a technical opinion that would permit an assessment of the work of verification of the transfer of a source of heat to renaming of the block of concrete compound, in order to see how thermal the sample of block provided by the customer.

LAMSYCO LABORATORIOS presented to the company PREFABRICADOS WIEZE S.A. DE C. V. a technical proposal, aimed at achieving the opinion by obtaining three (03) block, to expose them directly to a heat source to 58°C during four thousand three hundred twenty-eight (4328) minutes constant to verify the amount of heat that would be transport to the opposite end of the heat source and get to know its resistance to heat.

The performance of the tests, it was agreed for the day February 26 of the 2013.

1. OBJECTIVE.

Verify what happens to the inside temperature of a block when a higher temperature is applied the exterior of the block.

1. WORK CARRIED OUT

2.1. LABORATORY WORK

The laboratory works were aimed at obtaining results on the basis of the temperature measurement in the block and environmental, which were taken by technical staff of LAMSYCO LABORATORIES regularly, subject to the completion of the following activities (see graphic report):

- a) Elaboration of a gypsum mortar to paste through a board of approximately three (03) cm. the block.
- b) What is the inner area covered with cardboard to prevent leakage of heat to the interior of the area under study.
- c) Were placed two (02) mercury thermometers to perform the test, one inside the area hosted outside of the heat source and the other directly exposed to the heat source next to the block.
- d) Was placed a thermometer has the capability to record maximum and minimum temperatures recorded during each day.
- e) Was conducted periodic visual inspection to check temperatures, internal, external and environmental? (See attached table No.1)
- f) Pictures were taken as evidence of the work carried out.

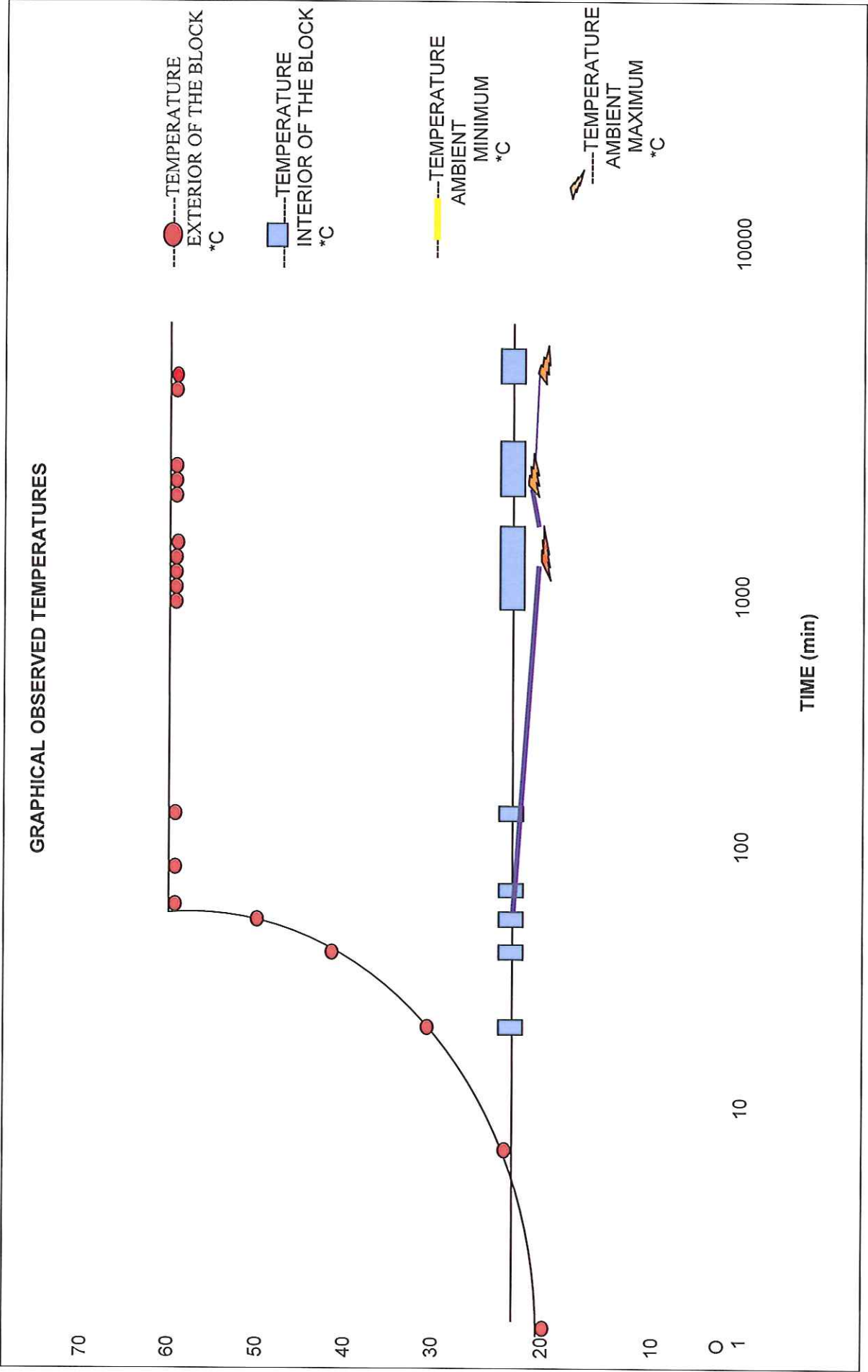


3. RESULTS OBTAINED

The results obtained from the confidence assay performed at block, shown below to detail in the table No. 1.

Results on the taking of temperature readings.
Heat Test in the Block

| READING No. | DATE | TIME OF READING (min) | BLOCK EXTERIOR TEMPERATURE °C | BLOCK INTERIOR TEMPERATURE °C | MINIMUM AMBIENT TEMPERATURE °C | MAXIMUN AMBIENT TEMPERATURE °C |
|-------------|------------|-----------------------|-------------------------------|-------------------------------|--------------------------------|--------------------------------|
| 0 | 2013-02-26 | 1 | 19 | 22 | 22 | 22 |
| 1 | 2013-02-26 | 5 | 23 | 22 | 22 | 22 |
| 2 | 2013-02-26 | 15 | 31 | 22 | 22 | 22 |
| 4 | 2013-02-26 | 30 | 42 | 22 | 22 | 22 |
| 5 | 2013-02-26 | 45 | 50 | 22 | 22 | 22 |
| 6 | 2013-02-26 | 55 | 58 | 22 | 19 | 22 |
| 7 | 2013-02-26 | 75 | 58 | 22 | 19 | 22 |
| 8 | 2013-02-27 | 120 | 58 | 22 | 19 | 22 |
| 9 | 2013-02-27 | 812 | 58 | 22 | 19 | 22 |
| 10 | 2013-02-27 | 870 | 58 | 22 | 19 | 22 |
| 11 | 2013-02-27 | 933 | 58 | 22 | 19 | 22 |
| 12 | 2013-02-27 | 1007 | 58 | 22 | 19 | 22 |
| 13 | 2013-02-27 | 1056 | 58 | 22 | 19 | 22 |
| 14 | 2013-02-27 | 1130 | 58 | 22 | 19 | 22 |
| 15 | 2013-02-27 | 1181 | 58 | 22 | 19 | 22 |
| 16 | 2013-02-27 | 1245 | 58 | 22 | 19 | 22 |
| 17 | 2013-02-27 | 1287 | 58 | 22 | 19 | 22 |
| 18 | 2013-02-27 | 1348 | 58 | 22 | 19 | 22 |
| 19 | 2013-02-28 | 1420 | 58 | 22 | 19 | 22 |
| 20 | 2013-02-28 | 2249 | 58 | 22 | 20 | 22 |
| 21 | 2013-02-28 | 2322 | 58 | 22 | 20 | 22 |
| 22 | 2013-02-28 | 2374 | 58 | 22 | 20 | 22 |
| 23 | 2013-02-28 | 2479 | 58 | 22 | 20 | 22 |
| 24 | 2013-02-28 | 2500 | 58 | 22 | 20 | 22 |
| 25 | 2013-02-28 | 2567 | 58 | 22 | 20 | 22 |
| 26 | 2013-02-28 | 7612 | 58 | 22 | 20 | 22 |
| 27 | 2013-02-28 | 2682 | 58 | 22 | 20 | 22 |
| 28 | 2013-02-28 | 2735 | 58 | 22 | 20 | 22 |
| 29 | 2013-02-28 | 2809 | 58 | 22 | 20 | 22 |
| 30 | 2013-02-28 | 2858 | 58 | 22 | 20 | 22 |
| 31 | 2013-03-01 | 2866 | 58 | 22 | 20 | 22 |
| 32 | 2013-03-01 | 3759 | 58 | 22 | 20 | 22 |
| 33 | 2013-03-01 | 3797 | 58 | 22 | 20 | 22 |
| 34 | 2013-03-01 | 3868 | 58 | 22 | 20 | 22 |
| 35 | 2013-03-01 | 3936 | 58 | 22 | 20 | 22 |
| 36 | 2013-03-01 | 4012 | 58 | 22 | 20 | 22 |
| 37 | 2013-03-01 | 4061 | 58 | 22 | 20 | 22 |
| 38 | 2013-03-01 | 4110 | 58 | 22 | 20 | 22 |
| 39 | 2013-03-01 | 4187 | 58 | 22 | 20 | 22 |



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4. INTERPRETATION OF RESULTS AND CONCLUSIONS.

Due to the composition of the block (with material that was manufactured), heat exposed on one side did not pass the thickness of the block.

It was concluded that the block is thermal; therefore, it is acceptable and convenient for purpose of the client.

Carefully:

Calculation and Preparation:



Technical Coordinator

Review and Authorization:



Ing. Fabián González Valencia
Director Técnico/Director de
Aseguramiento de la Calidad

Technical Director
Director of Quality Control

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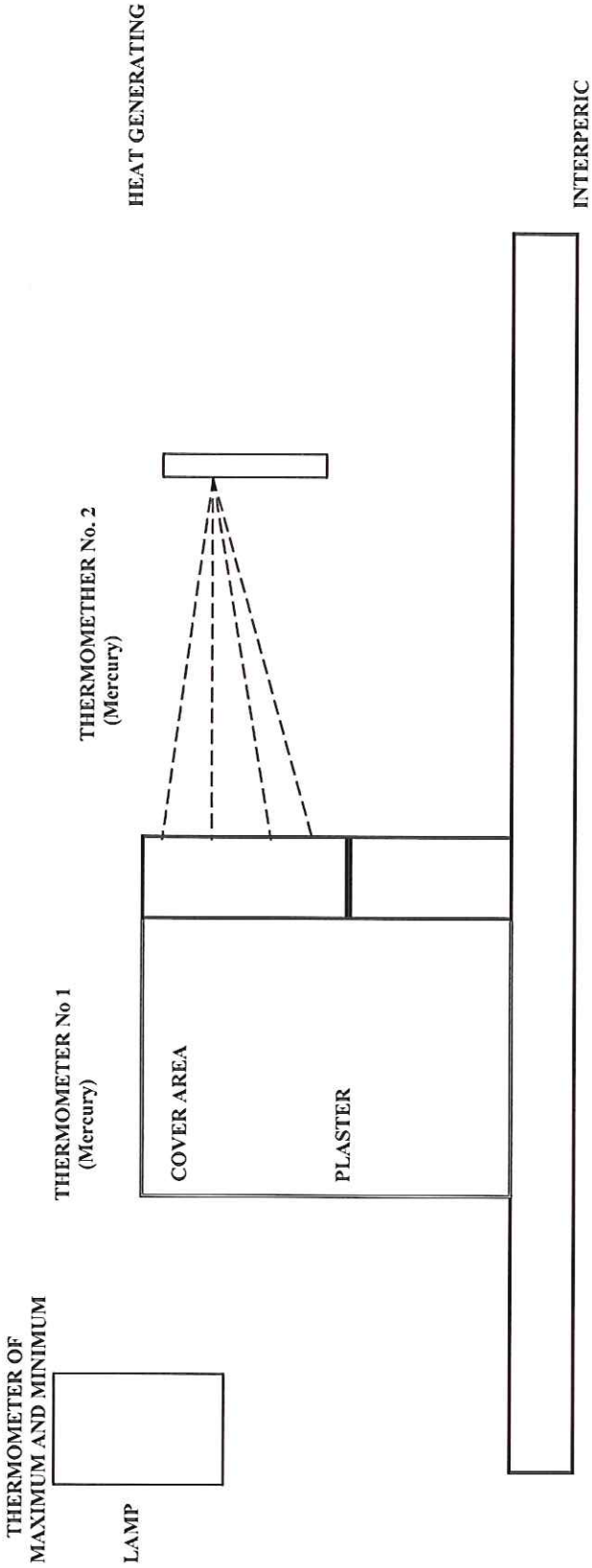
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BLOCK OF 9X14X39 CM
 VERIFICATION DEVICE TRANSFER A HEAT SOURCE THROUGH THE BLOCK OF CONCRETE COMPOSITE. THE HEAT OF THE BULB TENDS TO GO BY THE ESPEZOR (9CM)
 THE DEVICE IS ASSEMBLED FOR THE PURPOSE OF ASCERTAINING THE PERMEABILITY OF THE BLOCK IF IT BECAME HEAT THROUGH ITS THICKNES

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