

TRANSLATION

Applicant: ICOMSA ENGINEERING Costruzioni e Impianti S.p.A.-Padua (Italy)

Date of the test application: the 13th of September 1993

Description of the samples:

- A) no. 4 panels called Single Monolite referring to the second shipment of materials as an integration of the first shipment as per application made on the 26th of February 1993 whose features are described in the drawing no.1 supplied by the applicant and reproduced at page no. 6.
- B) no. 4 panels called Single Monolite whose features are described in the drawing no. 3 supplied by the applicant and reproduced at page no. 13.
- C) no. 4 panels called Single Monolite whose features are described in the drawing no. 5 and 6 supplied by the applicant and reproduced at page no. 24 and 25.
- D) no. 3 blocks referring to the second shipment of materials as an integration of the first shipment as per application made on the 26th of February 1993 whose features are described in the drawing no. 8 supplied by the applicant and reproduced at page no. 28.
- E) n. 4 blocks whose features are indicated in the drawing no. 9 and reproduced at page no. 29.
- F) no. 15 cement cubes having the following dimensions: cm 15x15x15.

Test required:

- 1) Compressive strength of the panels in their length direction and determination of the lateral displacements in the centre line (samples at item A and B - drawings no. 2 and no. 4 pag. 7 and 14)
- 2) Shearing strength of the panels (samples C) subject to stress on its own plane and survey of the deformations (drawing no. 7 at page no. 26)
- 3) Compressive strength of the blocks (samples D and E - drawings no. 10 and 11 at pages no. 30 and 31)

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The Institute Director
(Prof. Bernhard Schrefler)

Padua, the 21st of October 1993

4) Compressive strength of the cement cubes.

Enclosures: no. 10 pictures as a proof of the tests carried out.

T E S T R E S U L T

TEST 1)

The test has been carried out on no. 8 samples (no. 4 referring to the "second shipment" and no. 4 referring to the new one) whose features are shown on the above-mentioned item A and B.

Furthermore it has been surveyed the sideways displacement in the centre line of the panel whose positive direction is shown in the under-mentioned drawing; the load arrangement and the survey instruments of the displacement are described in the graphs of pages 7 and 14 (drawings no. 2 and 4)

PANELS REFERRING TO THE "SECOND SHIPMENT" (see item A)

- PANEL 1: density 25

dimensions: cm. 262.5x66x15.2

plaster average thickness 1: cm. 3.9

plaster average thickness 2: cm. 3.3

polystyrene thickness: cm. 8

Applied load	Survey in correspondance	Applied load	Survey in correspondance
daN	of the instrument	daN	of the instrument
	no. 1		no. 1
			no. 2
	mm.		mm.
	Instrument zero setting		

MAXIMUM COLLAPSE LOAD: 70925 daN

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