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STRUCTURAL ENGINEERING LABORATORY

STRUCTURAL ENGINEERING FIELD OF STUDY

SCHOOL OF ENGINEERING AND TECHNOLOGY

TYPE OF TEST : COMPRESSIVE STRENGTH TEST (ASTM C109)**TEST SPECIMEN:** Three (3) specimens of cubic shape were prepared in the SE laboratory. The mix proportion of water to " Ferrocem 519 " ratio was 12 % by weight.**CLIENT:** FERRO CONSTRUCTION PRODUCTS CO., LTD.**DATE OF TEST:** June 2, 2006**TEST METHOD:** After mixed thoroughly, the mixed mortar was cast in the 2" standard test cubes. The cubes are cured for 24 hours in the molds, then stripped and immersed in water until conducting the test.**TEST RESULTS:** The compressive strength of specimens at the age of 28 days are shown as follows.

| Specimen No. | Date of Cast | Date of Test | Age of Specimen (days) | Cross Sectional Area (cm ²) | Maximum Load (kgf) | Compressive Strength (kgf/cm ²) | Remarks |
|--------------|--------------|--------------|------------------------|---|--------------------|---|---|
| 1 | 05/05/06 | 02/06/06 | 28 | 25.55 | 8,800 | 344.40 | * 1 kgf/cm ² = 0.0981 MPa. Average compressive strength of specimens is 34.55 MPa. at 28-days age. |
| 2 | 05/05/06 | 02/06/06 | 28 | 25.70 | 9,210 | 358.32 | |
| 3 | 05/05/06 | 02/06/06 | 28 | 25.65 | 9,080 | 353.95 | |
| | | | | | Average | 352.22 | |

Note : This results certify the adequacy and representative character of the test samples only.

CHECKED & APPROVED BY



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SENIOR LABORATORY SUPERVISOR
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