

FIG. 5 - RELACION ENTRE LA EDAD Y LA RESISTENCIA A LA COMPRESION PARA CONCRETO CON AIRE INCLUIDO Y SUPERPLASTIFICANTE, RELACION A: C+E = 0.38

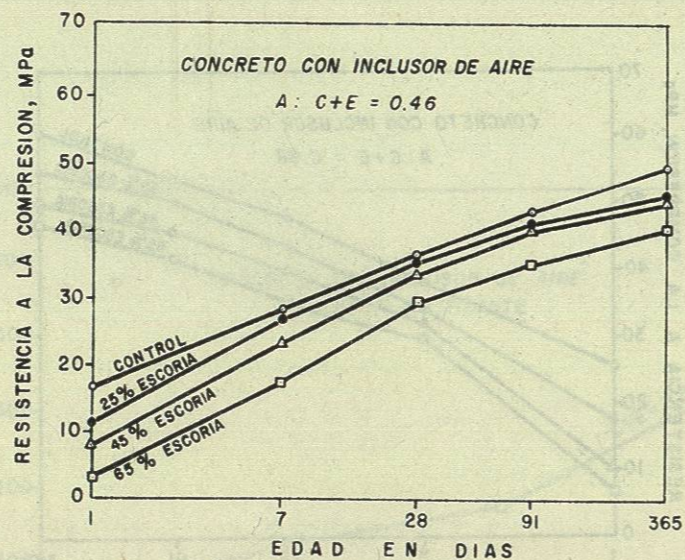


FIG. 6 - RELACION ENTRE LA EDAD Y LA RESISTENCIA A LA COMPRESION PARA CONCRETO CON INCLUSOR DE AIRE, RELACION A: C+E = 0.46

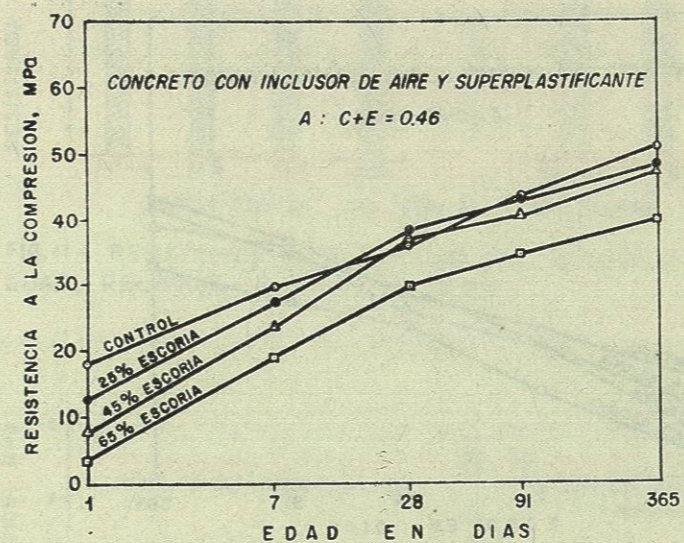


FIG. 7 - RELACION ENTRE LA EDAD Y LA RESISTENCIA A LA COMPRESION PARA CONCRETO CON AIRE INCLUIDO Y SUPERPLASTIFICANTE, RELACION A: C+E = 0.46

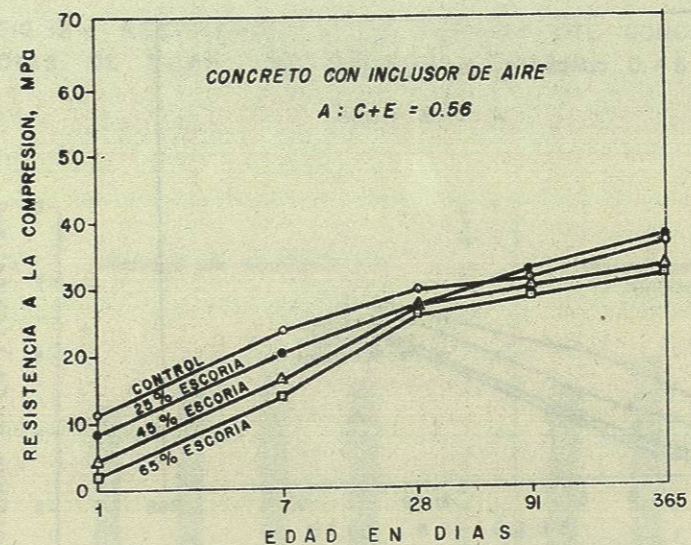


FIG. 8 - RELACION ENTRE LA EDAD Y LA RESISTENCIA A LA COMPRESION PARA CONCRETO CON INCLUSOR DE AIRE, RELACION A: C+E = 0.56

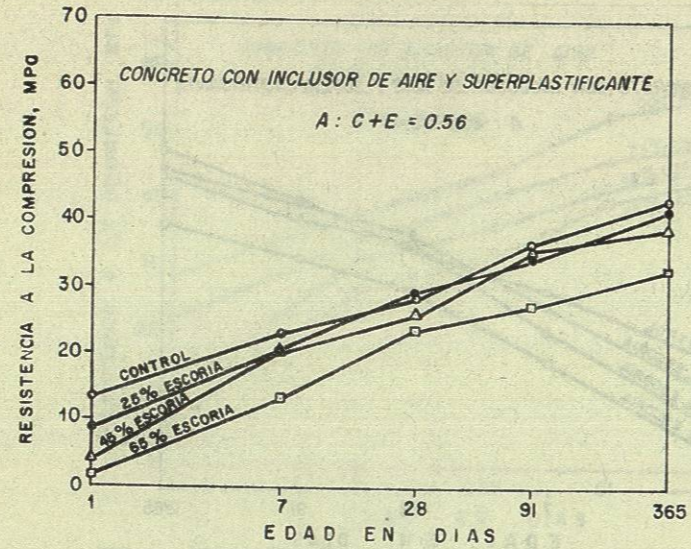


FIG.9- RELACION ENTRE LA EDAD Y LA RESISTENCIA A LA COMPRESION PARA CONCRETO CON AIRE INCLUIDO Y SUPERPLASTIFICANTE, RELACION A : C+E = 0.56

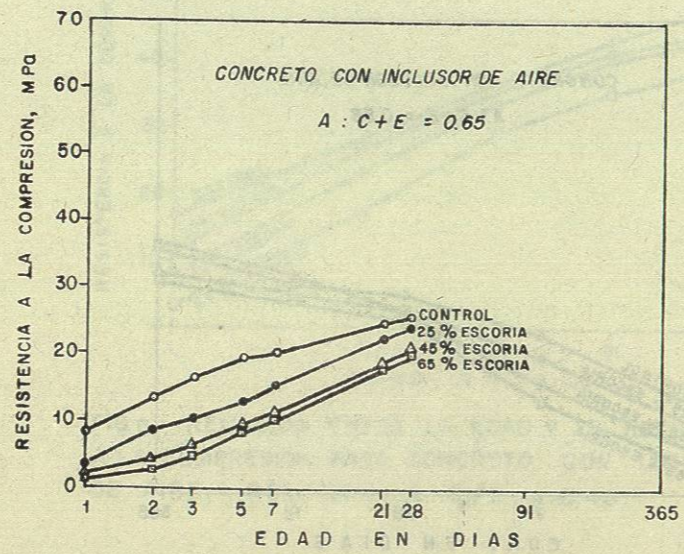


FIG.10- RELACION ENTRE LA EDAD Y LA RESISTENCIA A LA COMPRESION PARA CONCRETO CON INCLUSOR DE AIRE, RELACION A : C+E = 0.65

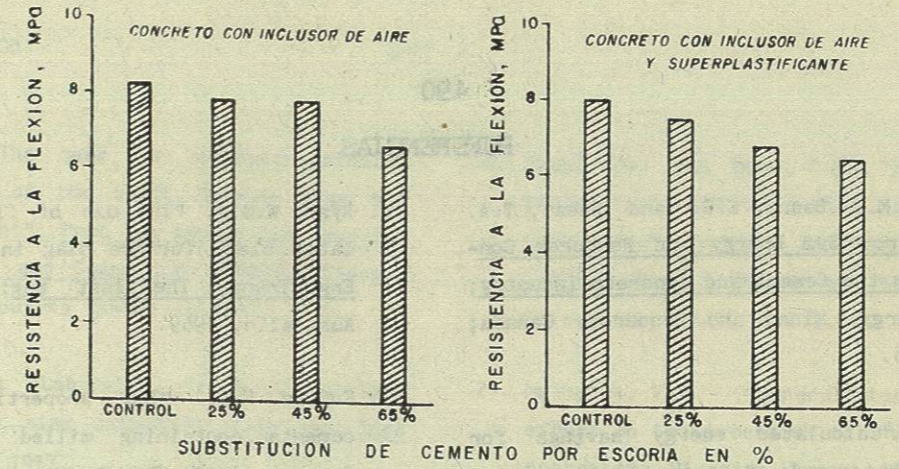


FIG.11- RESISTENCIA A LA FLEXION DEL CONCRETO A 14 DIAS DE EDAD, RELACION A : C+E = 0.38

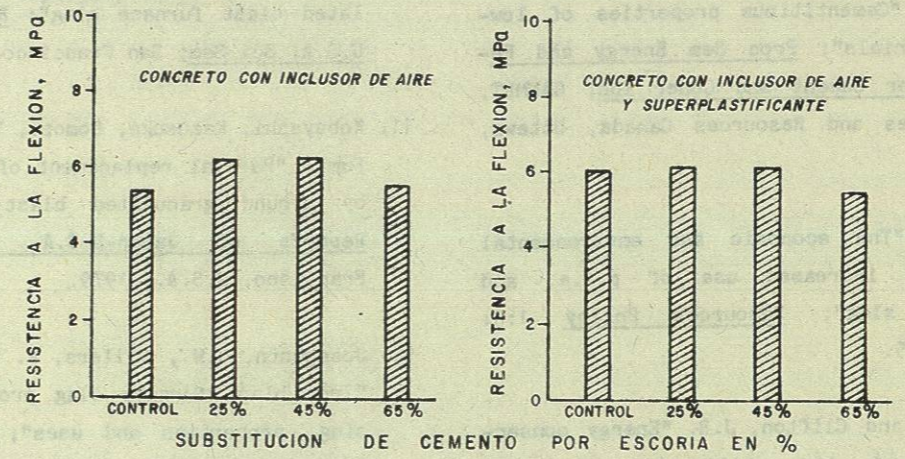


FIG.12 - RESISTENCIA A LA FLEXION DEL CONCRETO A 14 DIAS DE EDAD, RELACION A : C+E = 0.46

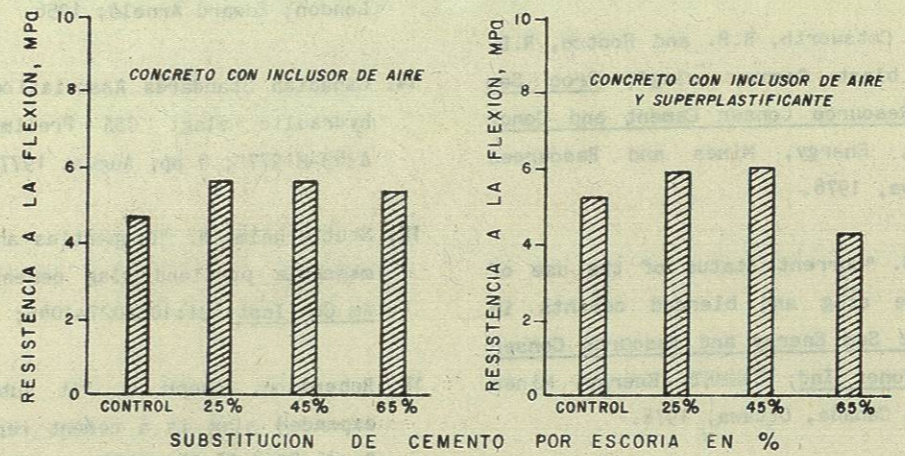


FIG.13 - RESISTENCIA A LA FLEXION DEL CONCRETO A 14 DIAS DE EDAD, RELACION A : C+E = 0.56

REFERENCIAS

1. Malhotra, V.M., Berry, E.E. and Wheat, T.A. (Editors) Proc Sem Energy and Resource Conservation in the Cement and Concrete Industry; CANMET, Energy, Mines and Resources Canada; Ottawa, 1976.
2. Berry, E.E. "Calculated energy savings for blended cements made from portland cements, granulated slag and fly ash"; Division Report; MRP/MSL 77-178 (J); CANMET, Energy, Mines and Resources Canada; 1977.
3. Brink, R.H. "Cementitious properties of low-energy materials"; Proc Sem Energy and Resource Conser Cement and Concr Ind; CANMET, Energy, Mines and Resources Canada, Ottawa, 1976.
4. Smith, M.A. "The economic and environmental benefits of increased use of p.f.a. and granulated slag"; Resources Policy 1:3: 154-170; 1975.
5. Brown, P.W. and Clifton, J.R. "Energy conservation through the utilization of waste materials in cement and concrete"; Proc Sem Energy and Resource Conser Cement and Concr Ind; CANMET, Energy, Mines and Resources Canada, Ottawa, 1976.
6. Emery, J.J., Cotsworth, R.P. and Hootun, R.D. "Pelletized blast furnace slag"; Proc Sem Energy and Resource Conser Cement and Concr Ind; CANMET, Energy, Mines and Resources Canada, Ottawa, 1976.
7. Zoldners, N.G. "Current status of the use of blast furnace slag and blended cements in Europe"; Proc Sem Energy and Resource Conser Cement and Concr Ind; CANMET, Energy, Mines and Resources Canada, Ottawa, 1976.
8. Ryan, W.G.J. "The use of fine ground granulated blast furnace slag in concrete"; Civil Eng Trans, The Inst Eng; CE 11:1:88-96; Australia, 1969.
9. Fulton, F.S. "The properties of portland cements containing milled granulated blast furnace slag"; The Portland Cement Institute; Johannesburg, 1974.
10. Yanagida, Tsutomu and Ota, Minoru. "Properties of concrete containing pulverized granulated blast furnace slag"; Reports of Japan-U.S.A. Sci Sem; San Francisco, U.S.A.; 1979.
11. Kobayashi, Kazusuke, Uomoto, Taketo and Shima, Fumio. "Partial replacement of portland cement by ground granulated blast furnace slag"; Reports of Japan-U.S.A. Sci Sem; San Francisco, U.S.A.; 1979.
12. Josephson, G.W., Sillers, F. and Runner, D.G. "Iron blast furnace slag production, processing, properties and uses"; Bull 479; U.S. Bureau of Mines, Govt Printing Office, Washington, D.C., 1949.
13. Lea, F.M. "The chemistry of cement and concrete"; Revised Edition of Lea and Desch, London; Edward Arnold; 1956.
14. Canadian Standards Association: "Cementitious hydraulic slag: CSA Preliminary Standards A363-M1977"; 9 pp; August 1977.
15. Stutterheim, N. "Properties and uses of high-magnesia portland slag cement concretes"; J Am Con Inst; 31:10:1027-1045; 1960.
16. Robertson, Joseph, L. "At submicron fineness expanded slag is a cement replacement"; Rock Prod; 82:4:56-59; 1979.

17. Mills, R.H. "The case for separate grinding and batching of the blast furnace slag and portland cement"; Proc Sem Energy and Resource Conser Cement and Concr Ind; CANMET, Energy, Mines and Resources Canada, Ottawa, 1976.
18. Mather, Bryant "Laboratory tests of portland blast furnace slag cements"; J Am Con Inst 29:3:205-323; 1957.
19. Mather, Bryant "Investigation of portland blast furnace slag cements"; Corps of Engineers, Vicksburg, Mississippi; Tech Report 6-445; September 1965.
20. Ryan, W.G. and Munn, R.L. "Some recent experiences in Australia with superplasticizing admixtures"; Proc Int Sym Superplast in Concr; CANMET, Energy, Mines and Resources Canada, Ottawa; May 29-31; 1:275-294; 1978.
21. Malhotra, V.M. "Superplasticizers: Their effect on the proerties of fresh and hardened concrete"; Division Report MRP/MSL 79-75(J); CANMET, Energy, Mines and Resources Canada; 1979.