

PARAMETER TESTING OF EPOXY POLYMER CONCRETE.

Tolbert R.N., Hackett R.M., Baluch M.H.

Polymer Engineering and Science

Vol. 16, Issue.8, 1976

Abstract: The ultimate strength of polymer concrete was investigated utilizing epichlorohydrin/bisphenol A-type epoxy resin. Parameters were tested in an effort to conclude how variation of a specific parameter would affect the compressive strength of the polymer concrete. The parameter testing included studies to determine the effect of the polymer loading; the catalyst; the exothermic reaction; aggregate type, gradation and moisture content; curing age; and aggregate additives of portland cement and limestone powder.