

GLUE LAMINATED RUBBER TIMBER AND ITS
USAGE IN THE CONSTRUCTION INDUSTRY

M.N.V.K. Perera and D.H.M.S. Bandara
National Building Research Organization, Colombo.

The need for large Structural Timber Sections exceeding the girth of trees is a reality. This necessitates the use of expensive and inappropriate materials to be used as an alternative.

The glue lamination of timber provide the answer for the demand for large spans and structural timber sections. Rubber timber being freely available and inexpensive provides an ideal material for lamination methods.

The demand for timber far exceeds the supply. On the maintenance of estates the replantation of rubber trees has been in vogue for many years. This has resulted in adequate supplies of rubber timber being made available to the construction industry.

Glue lamination of rubber timber provides a means of achieving the sections sizes and spans of structural elements normally needed in building work. Phenol formaldehyde based glues has proven to be successful in this field.

The survey indicates on basis of cost economics and the adequacy of strength for the scale of actions encountered in building work, the usage of rubber timber in the construction industry should be given serious consideration to avoid the expected timber shortage.