

**rd Interim Report on “Modification and efficacy study of wood protector,  
the eco friendly wood preservative for glue line treatment during  
manufacture of plywood”**

*Sponsored By*



**M/s wood cure enterprise**

**Ashram Math, South Naldanga, Bandel**

**Hoogly, West Bengal-712123**



**IPIRTI, KOLKOTA, India**

**(An autonomous body of Ministry of Environment and Forests)**

**JAN -2016**



### *Efficacy evaluation: -*

#### Field test of preservatives against termites:-

Testing was performed according to IS: 4833:1993. Six replicates for each concentration along with control was taken. The treated/untreated samples were tied together to form a chain and buried in the high termite prone area at six different places. Observations were made till one year of exposure with inspections done once in every three months. Specimens were re installed at the same position after every inspection. Recording of results were as per the ratings given in the standard.

Table 1-Efficacy test against termites after 24 months of exposure.

Preservative Concentration, %	Numerical ratings	Condition of samples
0.0	3.0	Heavy attack, termite attack area 35% to 40% of surface area.
0.5	2.0	Moderate attack, termite attack area between 20% to 30% of surface area.
1.0	2.0	Moderate attack, termite attack area between 20% to 30% of surface area.
1.5	1.0	Light attack, termite attack area between 5% and 10% of surface area
2.0	1.0	Light attack, termite attack area between 5% and 10% of surface area
2.5	0.5	Trace attack, termite attack area less than 5% of surface area

