

Abestarc

Evaluation of particleboard treated with Preservation material (ACQ, BFCA and Chlorothalonil) and Evaluate of the durability of products against termite attack

The purpose of this study evaluated Laboratory conditions with protective material BFCA, ACQ and Chlorothalonil, wood-based panels ,wood species against termites is discussed. Particleboards with chipses Rafsanjan factory was built. panels includes: plywood, flakeboard, particleboard and medium density fiberboard, of wood species includes: *Morus alba*, *Juglans*, *Pinus silvestris*, *Fagus oreintalis*, *Platanus orientalis*, in different regions and markets were prepared against termites of *Microcerotermes diversus* and *Anacanthotermes vagans* in the field. The study is performance based on the ASTM D-1758-06. The site of study was village of QaemAbad in Sistan region, located in the eastern south of Zabol surveyed in during 18 months and Station in the city of Jiroft Miandeh was surveyed in during 15 months. The results have shown that the all specimens deteriorated. The duration of the test specimens made of particleboard, protected with the least damage BFCA, the wood-based panels available wood, plywood the least and medium density fiberboard Highest destructions, and the typical wooden wood species *Morus alba* and *Platanus orientalis* the least *Fagus oreintalis* and *Pinus silvestris* Highest and most degraded and have mass loss. Results of visual evaluation are same as weight loss of samples resulted by termite attack. Field survey show that the termites deteriorate activities on the site is decreased at cold condition. Duncan and LSD showed statistical analysis and classification of protective material has a significant effect in reducing degradation and attack termites.

Keywords: natural durability, wood products, wood species, deteriorate, termite.

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products against termite attack.

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