

Tiles roof support focus study: Bituminous plywood

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This study is intended to improve the tile roofing system from a carefully designed roof support. The use of tiles as roofing materials often leads to the use of either a wooden frame or a floor with a concrete slab. For this study, the timber framing on which a support made of bituminous plywood for laying tiles is retained. This bracket includes a plywood of width 1.22m, length 2.44m and thickness 4mm covered with a cotton fiber fabric impregnated with petroleum bitumen fluidized to 65% by kerosene. The liquefaction is carried out at a temperature in between 140 and 150°C. The permeability test is carried out successfully on samples of 40x40cm of bituminous plywood obtained after three weeks of drying. The time of observation

of the behavior of the sample is one day corresponding to the duration of a continuous rain of 24 hours. This material is therefore impermeable and can be used as an intermediate support for laying the tiles.

Speaker Biography

E Ouro-Djobo Samah has completed his Civil Engineering and Master of Technical Sciences at the age of 28 years from Leningrad Institute of Construction, USSR and Doctorate at the age of 52 years from Abomey-Calavi University, Cotonou, Bénin. He is the director general of Regional Road Maintenance Training Centre, Lomé, Togo. He has publications that have been cited several times, and some of them are indexed in well known and reputed Journals.

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