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AB 023

**Classification Report in a Scope of Roof Resistance to an Influence of
External Fire for the Product**
Roof made of boards of trading name LS-TECH-R25 M-0

6011.6/11/R01NK

for

Owner of the Classification Report

L.S. Tech-Homes Sp. z o.o.
ul. Korna 7/4
43-300 Bielsko-Biała

Contract no: 6011/11/R01NK**1 Introduction**

This classification report gives classification for a roof made of boards of trading name LS-TECH-R25 M-0 according to the procedure presented in PN-EN 13501-5+A1:2009.

2 Description of the roof/ roof covering

The roof made of boards of trading name LS-TECH-R25 M-0 with steel roofing tile covering and a vapour barrier membrane.

Boards of trading name LS-TECH-R25 M-0 250 mm thick consists of a styrofoam core of density about 20 kg/m³. The inner cladding is a board of trading name MgO Green-LS-TECH 11 mm thick. The outer cladding is the OSB board 12 mm thick. The claddings of boards LS-TECH-R25 M-0 are joined with the core by polyurethane glue. The joints between boards LS-TECH-R25 M-0 are made by flat bars of the OSB board 130 mm wide and 12 mm thick and they are screwed additionally by fasteners in spacing each 340 mm.

The details of the board joint construction are given in the annex to the classification. On the OSB board cladding there is a vapour barrier membrane about 1,5 mm thick, then a construction of wooden tile battens and counter-tile battens is fixed by screws. Steel roofing tile of a metal sheet about 0,5 mm thick is fixed to the construction by sheet metal screws. Boards LS-TECH-R25 M-0 are produced by firm L.S. Tech-Homes Sp. z o.o.

Laboratory of Fire Tests

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