

Contractor UPDATE

March 2024

No: 202404

Bauder uninsulated waterproofing systems to be used on combustible (timber based) decks

Important update

Further to the Contractor Update dated January 2022, as a result of our ongoing fire testing programme we can now confirm that the uninsulated BTRS system comprising K5K and KSA DUO directly onto an OSB/3 substrate is now classified B_{ROOF}(t4) according to BS EN 13501-5, and is therefore approved for use directly onto OSB/3 & plywood decks without the incorporation of 6mm Magply board.

Bauder uninsulated systems tested and classified B_{ROOF}(t₄)

RBM systems

BTRS PLUS

KARAT, KSA DUO 35, OSB/3 (roof pitch 0° to 10°)

BTRS

K5K, KSA DUO, Smartply Max FR B OSB/3 (roof pitch 0° to 10°)

K5K, KSA DUO, 6mm Magply MSO board, 18mm OSB/3 (roof pitch 0° to 10°)

K5K, KSA DUO, 18mm OSB/3 (roof pitch 0° to 10°)

Bauderflex

K4E, Sprint DUO, OSB/3 (roof pitch 0° to 10°)

Single Ply systems

Thermofol U15 FR (mech fastened), GV12o, OSB/3 (roof pitch 0° to 10° and up to 70°)

LAM systems

LiquiTOP

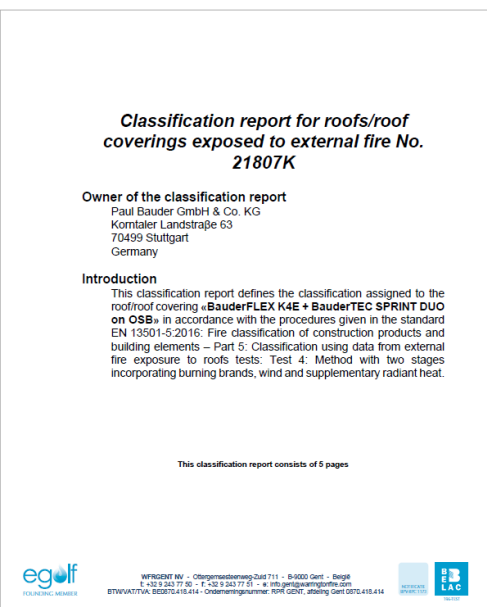
LiquiTOP system (dark grey, OSB/3 (roof pitch 0° to 10° and up to 70°))

LiquiTOP system (dark grey), KSD DUO, OSB/3 (roof pitch 0° to 10° and up to 70°)

LiquiTOP system (dark grey, Thermofol U15, OSB/3 (roof pitch 0° to 10° and up to 70°)

LiquiTOP system (dark grey), K4E, OSB/3 (roof pitch 0° to 10° and up to 70°)

LiquiTOP 3 COAT system (dark grey), TEC DBR o6, OSB/3 (roof pitch 0° to 10°)



Other systems deemed to be suitably fire resistant

Commission Decision 2000/553/EC lists the following products that fulfil all of the requirements for the performance characteristic “external fire performance” without the need for testing:

- Loose laid gravel with a thickness of at least 50mm or a mass $\geq 80\text{Kg/m}^2$ (minimum aggregate size 4mm, maximum 32mm).
- Sand / cement screed to a thickness of at least 30mm.
- Cast stone or mineral slabs of at least 40mm thickness.

DCLG document “Fire Performance of Green Roofs and Walls” referred to in Approved Documents, states that a growing medium of minimum 80mm depth with organic content not exceeding 50% is sufficient to comply with Building Regulation requirements.

So, providing a full layer of any of the above materials are provided on top of any Bauder roof system then that system can be used without restriction.

Our testing programme continues and any significant updates will be communicated when necessary.

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