

ZIEGEL

Bundesverband der Deutschen Ziegelindustrie e.V.
[Federal association of the German brick industry]

Bundesverband Ziegelindustrie e.V. • Schaumburg-Lippe-Str. 4 • 53113 Bonn

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01 March 2016

Dear Mr Jungk:

Referring to your inquiry about the classification of your product "TS-Quadrat" according to European design standards we would like to inform you as follows:

1. The classification of the product for the use according to EN 1996 is based on table 3.1 in EN 1996-1-1. According to our evaluation the TS-Quadrat is to be placed in group 2.
2. Fire resistance classification of bricks is made by means of tables N.B.1 in EN 1996-1-2.
3. For load bearing separating walls plastered on both sides table N.B. 1.2 line 2.1.2 states a wall thickness of 140 mm with full static load to achieve a fire resistance time of 120 minutes.
4. National standards may deviates from this. The necessary wall thickness of 140 mm for a fire resistance time of 120 minutes for HlzB with plaster on both sides, which is comparable to TS-Quadrat has be adopted unchanged to the national German appendix to EN 1996-1-2.

Best regards

BUNDESVERBAND DER DEUTSCHEN ZIEGELINDUSTRIE E.V.

[signature]

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I, the undersigned do hereby certify that the foregoing is a true and complete translation of the German original presented to me via e-mail this day.

Kottenheim, this 02 March 2016

Kerstin Mönster (BDÜ), Dipl.-Übers.

Qualified translator of the English language authorised by the President of the Higher Regional Court of Koblenz for judicial matters in Rhineland-Palatinate.

