



SANDWICHELEMENT

Phon Sound Insulation

STADUR
MADE IN GERMANY

Product Overview - Stadur soundproofing elements:

As a qualified manufacturer of composite elements the Stadur Company possesses test certificates substantiating the actual soundproofing values for both special elements and standard composite elements (e.g. FB-1, FB-2, FB-4).

Through extensive testing carried out on various material combinations special soundproofing elements with test certificate are available under the following designations:

Stadur Phon 36/I

Consists of PVC compact panels 2.0 mm on both sides with a special core. Available in standard formats. Technical Data. Overall Thickness: 28 mm / U-Value (λ_D 0.029): 1.11 / dB-Value 36

Stadur Phon 36/II

Consists of PVC compact panels 2.0 mm on both sides with a special core. Available in standard formats. Technical Data. Overall Thickness: 40 mm / U-Value (λ_D 0.029): 0.76 / dB-Value 36

Stadur Phon 37

Consists of PVC compact panels 2.0 mm on both sides with a special core. Available in standard formats. Technical Data. Overall Thickness: 30 mm / U-Value (λ_D 0.029): 1.11 / dB-Value 37

Stadur Phon 39

Consists of 2.0 mm laminated facings (melamine/HPL) on both sides with a special core. Available in standard formats. Technical Data. Overall Thickness: 32 mm / U-Value (λ_D 0.029): 1.11 / dB-Value 39

Stadur Phon 43

Consists of 2.0 mm laminated facings (melamine/HPL) on both sides. Due to the special core construction a pressure-proof edge band is necessary. Available only in fixed dimensions.

Technical Data. Overall Thickness: 32 mm / U-Value (λ_D 0.029): 1.39 / dB-Value 43

Stadur Phon 46

Consists of 2.0 mm laminated facings (melamine/HPL) on both sides. Due to the special core construction a pressure-proof, inserted edge band is necessary. Available only in fixed dimensions.

Technical Data. Overall Thickness: 36 mm / U-Value (λ_D 0,029): 1.36 / dB-Value 46

The tests were performed in accordance with DIN 52210, section 3 »air-soundproofing ordinance«.

The construction structures of the Stadur Phon elements are bound by the test certificates and cannot be freely modified, e.g. the wish for an improved U-value, which can only be accomplished with a thicker foam core, can also lead to a drastic deterioration of the dB-value. On the basis of our experience however we are sure we can find solutions for you. Make use of our competence in all matters concerning soundproofing composite elements.

Note:

For further information please refer to our brochure: Processing Instructions

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