

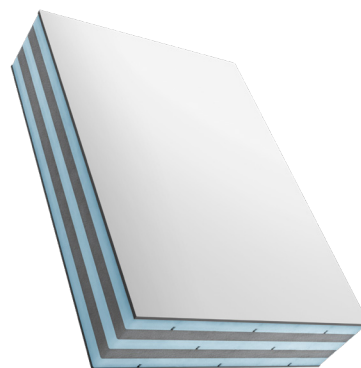
# SANDWICHELEMENT

**Phon** Sound Insulation

**STADUR**  
MADE IN GERMANY

# Product Information

## Phon Sound Insulation



### 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:

### Formats:

2500 x 1200 mm / 3000 x 1200 mm - Other formats and fixed formats are available on request.

#### Stadur Phon 35

Top layers: Stadurlon 2.0 mm  
Core: XPS with a special insert  
Total thickness: 36 mm  
U-value ( $(\lambda_D 0.029)$ ): 0.86  
**dB value 35**

#### Stadur Phon 36

Top layers: Stadurlon 2.0 mm  
Core: XPS with a special insert  
Total thickness: 36 mm  
U-value ( $(\lambda_D 0.029)$ ): 0.91  
**dB value 36**

#### Stadur Phon 38/I

Top layers: Stadurlon 2.0 mm  
Core: XPS with two special inserts  
Total thickness: 36 mm  
U-value ( $(\lambda_D 0.029)$ ): 0.96  
**dB value 38**

#### Stadur Phon 38/II

Top layers: Stadurlon 2.0 mm  
Core: XPS with two special inserts  
Total thickness: 48 mm  
U-value ( $(\lambda_D 0.029)$ ): 0.68  
**dB value 38**

#### Stadur Phon 39

Top layers: Stadurlon 2.0 mm  
Core: XPS with two special inserts  
Total thickness: 36 mm  
U-value ( $(\lambda_D 0.029)$ ): 1.02  
**dB value 39**

#### Stadur Phon 44 (Fixed format only)

Top layers: PVC 2.0 mm  
Special core with all-round edge banding  
Total thickness: 36 mm  
U-value ( $(\lambda_D 0.029)$ ): 1.34  
**dB value 44**

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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