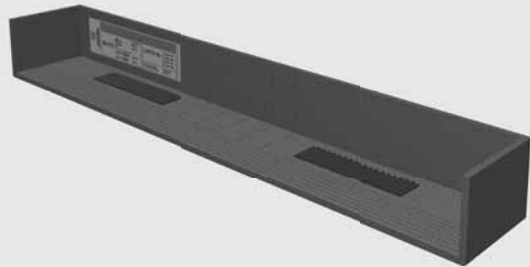


HALFEN HTF

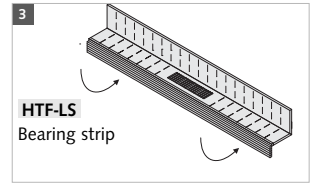
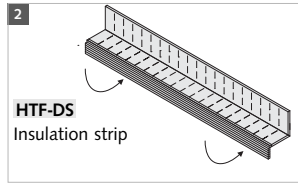
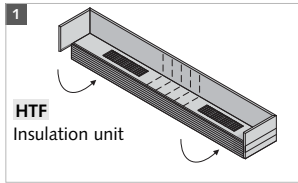
INST_HTF 09/13

- (GB)** Impact Sound Insulation Units
- (D)** Trittschall-dämmelemente



Assembly Instructions • Montageanleitung

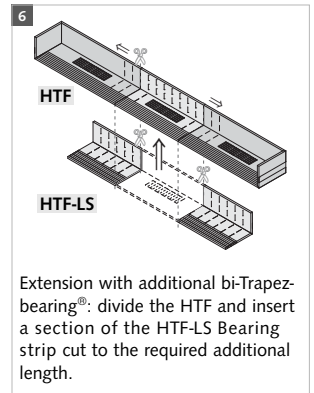
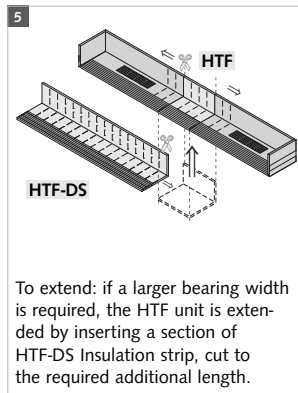
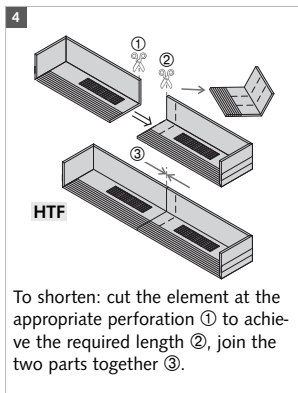
HTF Impact sound insulation unit for Precast Stairways



Fitting to bearing width (fig. 1-3):

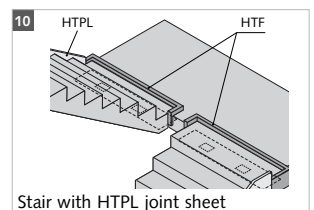
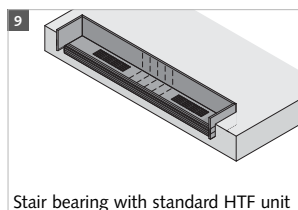
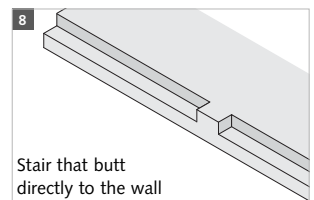
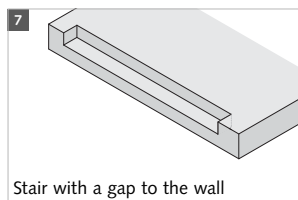
For minor extension of the element HTF (1) the HTF-DS Insulation strip (→ 2, ordered separately) is used. The insulation strip is trimmed to the required length on site, inserted into the standard element, and fixed to the landing using the adhesive tape on the back side (5).

For larger extensions of the HTF element where additional elastomer bearing is statically required, use the HTF-LS Bearing strip (→ 3, ordered separately). The bearing strip is trimmed to the required length on site and inserted into the standard element (5).



Design of the bearings (Fig. 7-10): Bearings can be designed as shown in fig. 7 or 8.

Fig. 9 shows the position of the HTF sound insulation unit. Using the adhesive tape on the back side, the insulation unit is fixed to the landing. Edge insulation, HTPL Joint sheet (fig. 10), is installed for a bearing acc. to fig. 8.

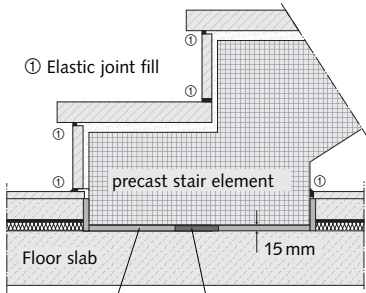


Adapting to the bearing depth (fig. 1-3): Bend the insulation element down at the required pre-scored line to fit to the required depth. Trim protruding material flush with the surface.

HTF-B Impact sound insulation element for Prefabricated Stair elements

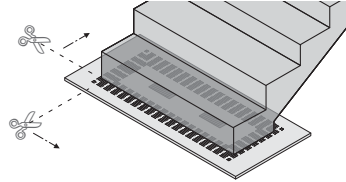
The HALFEN HTF-B Impact sound insulation element is used at the foot of prefabricated flights of stairs to achieve acoustic separation from ground floor slabs.

Cross section of a typical application of the HTF-B unit



Impact Sound Insulation Element with bi-Trapez® elastomer bearing

The HTF-B Impact sound insulation element can be cut to size along the perforated lines; alternatively the protruding areas can be bent up.

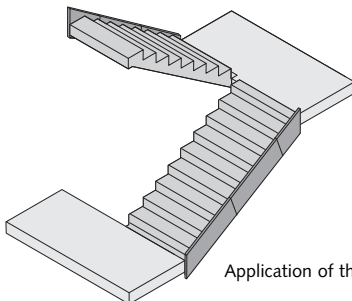
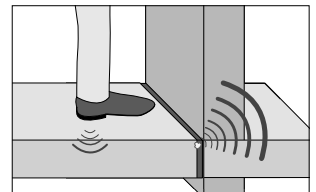
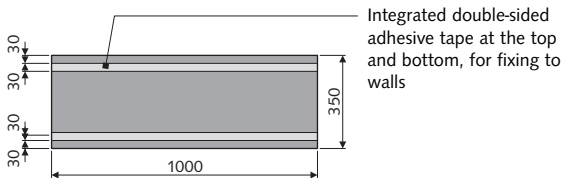


HTPL-100 Impact sound insulation unit (Joint sheet)

The HTPL Joint sheet is a system component which can be combined with all HALFEN Sound insulation products to avoid acoustic bridges in the joint between the stair element and the stairwell wall.

The HALFEN HTPL-100 Impact sound insulation unit reliably prevents acoustic bridging.

Application is simple: place and fix the HTPL-100 Joint sheet between the stair flight and the wall. Multiple panels are butt-joined and fixed with adhesive tape – done!

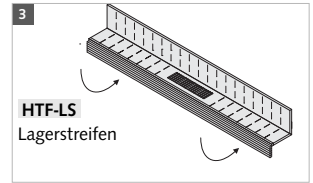
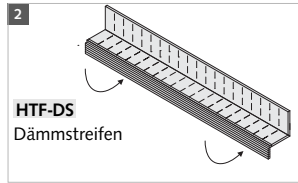
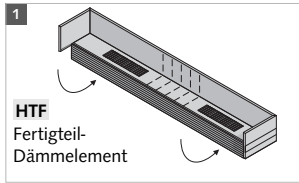


Application of the HTPL Joint sheets



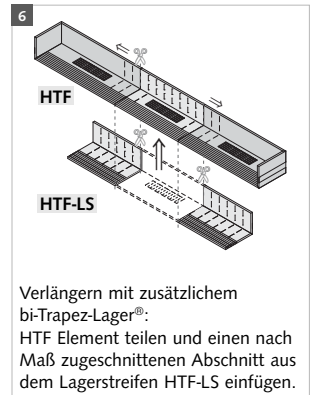
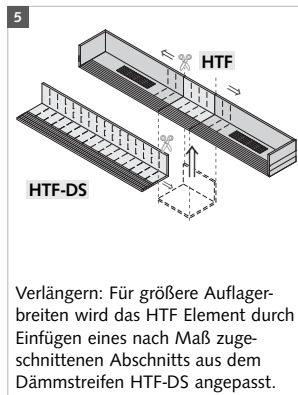
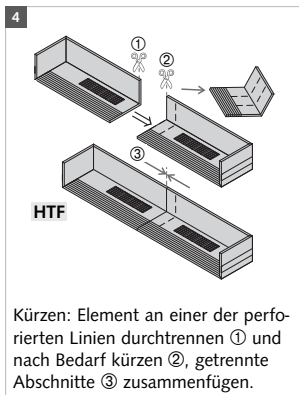
To avoid impact noise transition pay attention to impurities or ingress of concrete in all structural joints.

HTF-B Trittschall-Dämmelement für Fertigteil-Treppen

**Anpassung an die Auflagerbreite (Abb. 1-3):**

Zur geringen Verlängerung der HTF Elemente (**1**) kann der Dämmstreifen HTF-DS (→**2**, separat bestellen) verwendet werden. Der Dämmstreifen wird bauseits entsprechend der benötigten Länge zugeschnitten, in die Standardelemente eingefügt und mittels rückseitigem Klebeband am Podest fixiert (**5**).

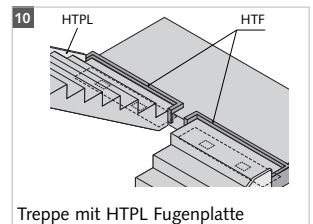
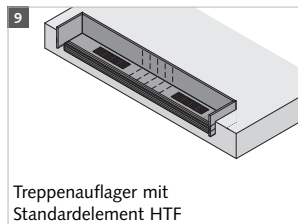
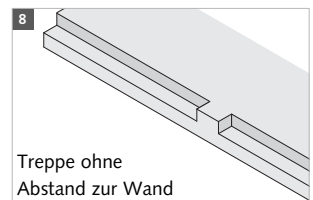
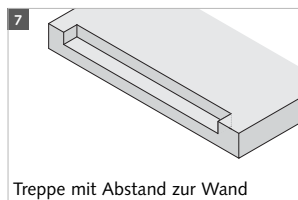
Bei erheblicher Verlängerung der Elemente, die zusätzliche Lager statisch erforderlich machen, wird der Lagerstreifen HTF-LS (→**3**, separat bestellen) eingesetzt. Der Lagerstreifen kann bauseits entsprechend der benötigten Länge zugeschnitten und dann in die Standardelemente eingefügt werden (**6**).



Ausbildung der Auflager (Abb. 7-10): Auflager können wie in Abb. **7** oder **8** ausgeführt werden. Abb. **9** zeigt die Anordnung des HTF Trittschall-dämmelementes.

Durch die rückseitigen Selbstklebestreifen wird das Dämmelement am Podest fixiert.

Bei Auflagern gemäß Abb. **8** ist zusätzlich umlaufend die HTPL Fugenplatte anzuordnen (Abb. **10**).

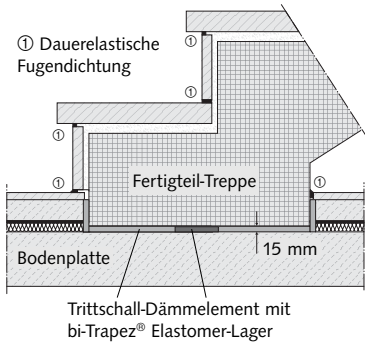
**Anpassung an Auflagertiefe (Abb. 1-3):**

Durch das Abwinkeln an den vorgeritzten Sollnicklinien werden die Dämmelemente an die erforderliche Tiefe angepasst. Ein etwaiger Überstand wird bauseits abgelängt.

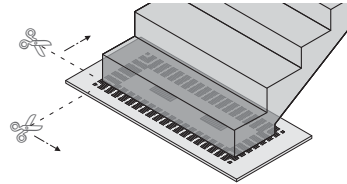
HTF-B Trittschall-Dämmelement für Fertigteil-Treppen

Das HALFEN HTF-B Trittschalldämmelement wird für die elastische Auflagerung von Fertigteil-Treppenläufen auf Bodenplatten im untersten Geschoss verwendet.

Schnitt durch eine typische Einbausituation des HTF-B



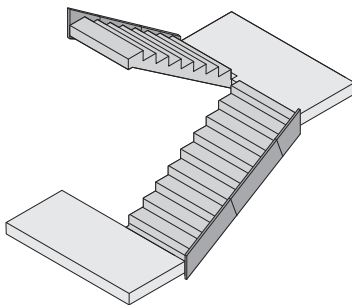
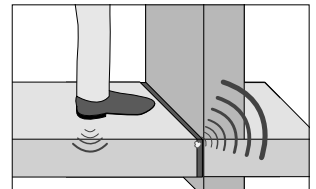
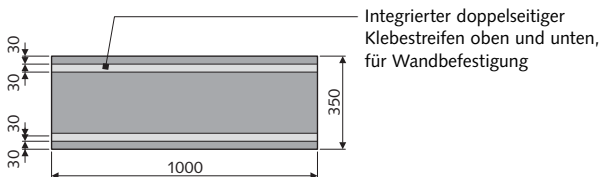
Das HTF-B Trittschalldämmelement kann bei Bedarf an den vorgestanzen Linien beschnitten; alternativ können die überstehenden Flächen hochgeklappt werden.



HTPL-100 Trittschall-Dämmelement (Fugenplatte)

Die HTPL-100 Fugenplatte ist eine Systemkomponente und kann in Kombination mit allen HALFEN Schalldämmprodukten zur Vermeidung von Schallbrücken in der Fuge zwischen Treppe und Treppenhauswand verwendet werden.

Die HALFEN HTPL-100 Fugenplatte vermeidet zuverlässig die Übertragung von Trittschall. Die akustische Entkopplung von Treppenlauf und Wand ist denkbar einfach: Fugenplatte zwischen den Bauteilen anordnen und Stöße zwischen den Platten einfach mit Klebeband abkleben – fertig.



Anordnung der HTPL Fugenplatten



Bei allen Anschlüssen ist darauf zu achten, dass Schallbrücken durch Verunreinigungen oder eindringenden Beton vermieden werden.

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