

DTS-G

SOUND INSULATION STRIPS

Soundproofing: Dovetail panels on DTS-G sound insulation strips



DUOFOR

smart building.

- Also for large overvoltages up to 2,500 mm
- Can be used for loads up to max. 5 kN/m²
- No cracking / no re-stretching
- Preservation of stability when applying mortar
- Environmentally friendly and 100% recyclable
- Permanently rigid

**ACCORDING
TO
EUROCODE**

SOUND INSULATION STRIPS

The impact sound insulation is an important and comfort-increasing factor in floors with a hard surface. Due to many years of experience in the application of the Duofor composite ceiling system, we have developed the universal impact sound strip DTS-G in relation to standard air and impact sound for the living area. With this strip, soundproofing values are achieved that are similar or better than when constructing a 200 mm thick concrete floor.

APPLICATION

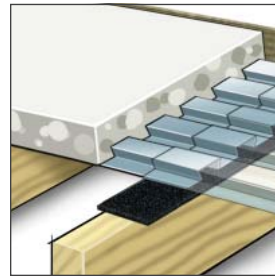
By using DTS-G footstep strips and RS 80/20 edge insulation strips, the Duofor® dovetail plate is permanently decoupled from the structure (floating installation). The optimum balance between the low weight of the composite floor structure and the elasticity of the DTS-G footstep provides the ideal solution for impact sound requirements

MATERIAL

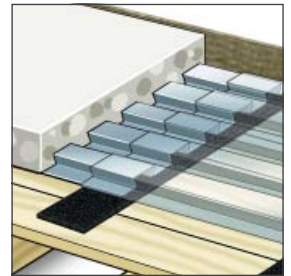
The structure of the dovetail plate increases the impact sound pressure, since there is no full-surface load. In contrast to rock wool, however, the DTS-G footfall sound insulation strip remains dimensionally stable. A compression of the strips is permanently excluded, whereby the stability of the soil and thus the optimum spring action (impact noise) is maintained. This ensures the standard soundproofing.

Note:

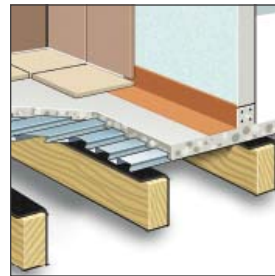
Further floor details can be found in our processing instructions.



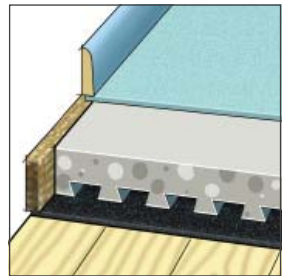
Soundproofing on joisted floor



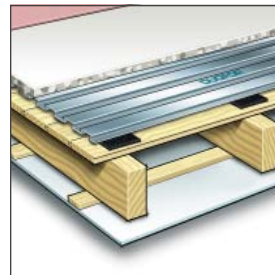
Sound insulation on floorboards



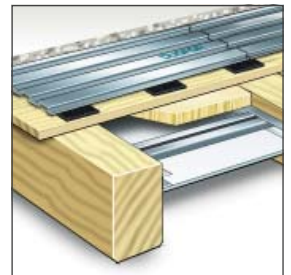
Damp room soundproofing



Detail soundproofing



Detail soundproofing



Soundproofing / separated

APPLICATION ON FLOORBOARDS

The dovetail plates can be laid on floorboards up to a maximum axial distance of 700 mm. Overlapping must generally be done on the DTS-G impact sound insulation strip.

WALL/ EDGE AREA

The composite ceiling construction in the wall / edge area is decoupled from the structure by the edge insulation strip RS 80/20 (floating installation).

APPLICATION ON BEAMS

The lengths of the dovetail plates (including overlapping) must be matched to the axle size of the carrier. The overlap may only be done on the carrier.

DUOFOR STANDARD LENGTHS

Center distance (center - center)	approx. 600 mm	1300 mm
Center distance (center - center)	approx. 500 mm	1600 mm
Center distance (center - center)	approx. 600 mm	1900 mm
Center distance (center - center)	approx. 700 mm	2200 mm

DTS-G sound insulation strips

Length	1000 mm
Width	80 mm
Thickness	10 mm
Static / dynamic load	0,7 Nmm ² / 0,8 Nmm ²
Volume weight	450 kg/m ³

SPECIFICATIONS

Fire resistance

According to Eurocode EN 1994-1-2, fire class: B2

Soundproofing

Airborne noise according to EN ISO 717-1, EN 140-3, EN ISO 12354-1

Impact sound according to EN 717-2 EN ISO 140-6, EN 12354-2

Construction	DTS-G + plate + concrete	Thickness
Sound-absorbing	10* + 16 + 34 mm	60 mm
Underfloor heating	10* + 16 + 20** + 20 mm	66 mm

* DTS-G sound insulation strips

** Heating pipes