



SEALS. REALLY. WELL.

CUTS. REALLY. WELL.

GLUES. REALLY. WELL.



HADAGLI for noise barriers



DRG-HADAGLI

Innovative and durable



The elastomer strip HADAGLI is an innovative elastomer tape that permanently seals the component joints between the steel girder and the noise protection element to make them soundproof!

It is either pressed into prefabricated recesses during the installation of the noise barriers on site or subsequently glued between supports and prefabricated elements.

Falling out under dynamic load is no longer possible (requirement according to ZTV-Lsw 06 and guideline 804.5501 of DB AG).

The elastomer strip HADAGLI is attached vertically to the clamping areas of the noise barriers and ensures the elastically mounted integration of the wall elements into the steel posts.

The horizontal joint between the precast elements can also be permanently and reliably closed by the strip.

In the vertical joints, it is installed with a slight pressure so that the wall elements are positioned securely.

Due to the bonding of the sealing strip to the noise protection element, slipping or falling out is impossible both during assembly and in the installed state, e.g. under dynamic load (wind pressure and suction)!

When inserting the concrete elements into the steel girders, the tape prevents direct contact between the concrete and the coating of the steel girders. The coatings cannot be damaged. The outer sliding fleece of the HADAGLI elastomer strip ensures low friction on the steel girder during installation.

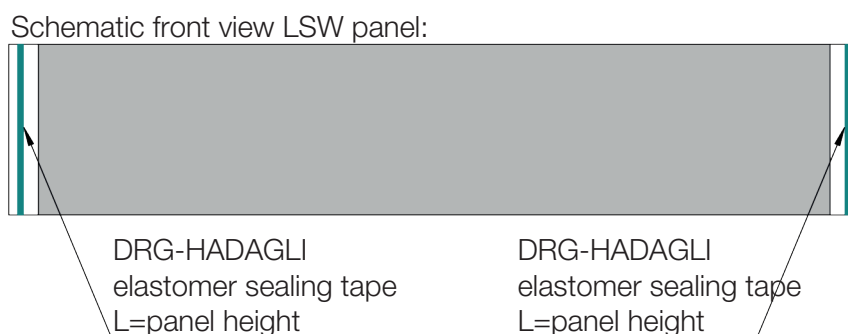
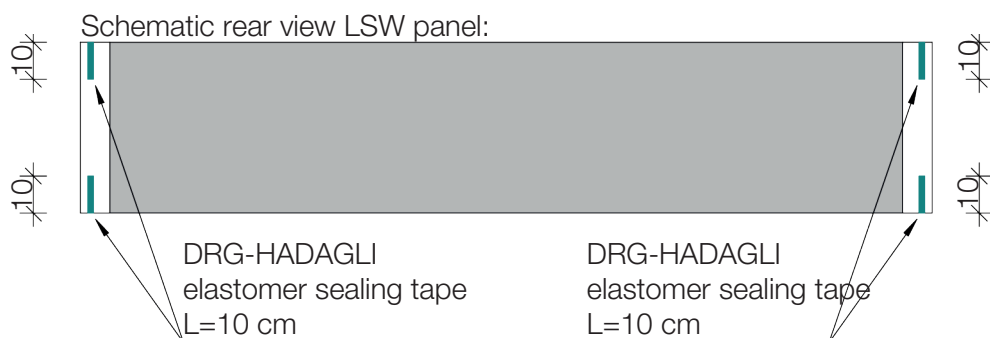
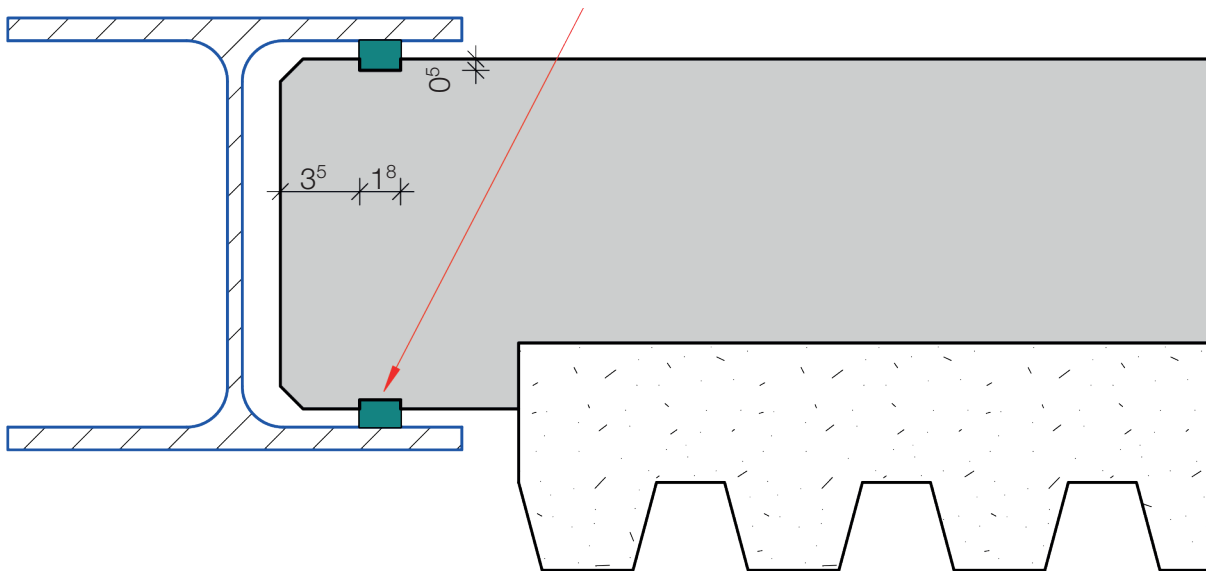


Sketch

On the front side of the panel, the DRG-HADAGLI elastomer sealing tape is applied on one side in the two clamping areas over the full height. It should be pressed 2-3 mm when installed. For different support tolerances, the tape is available not only in the standard thickness of 15 mm but also optionally in 12 and 18 mm as standard.

On the back of the panel, 4 pieces of DRG-HADAGLI elastomer sealing tape, each 10 cm long, are additionally glued into the groove to secure the position. The groove has a depth of 5 mm and a width of 18 mm, so that pressing in alone ensures adhesion between the element and the tape, while the adhesive back of the tape additionally prevents slipping during the installation process.

Vertical joint - sealing tapes on one side DL_R 47 dB acc. to EN 1793-2 Type DRG-HADAGLI 18 x 15 mm

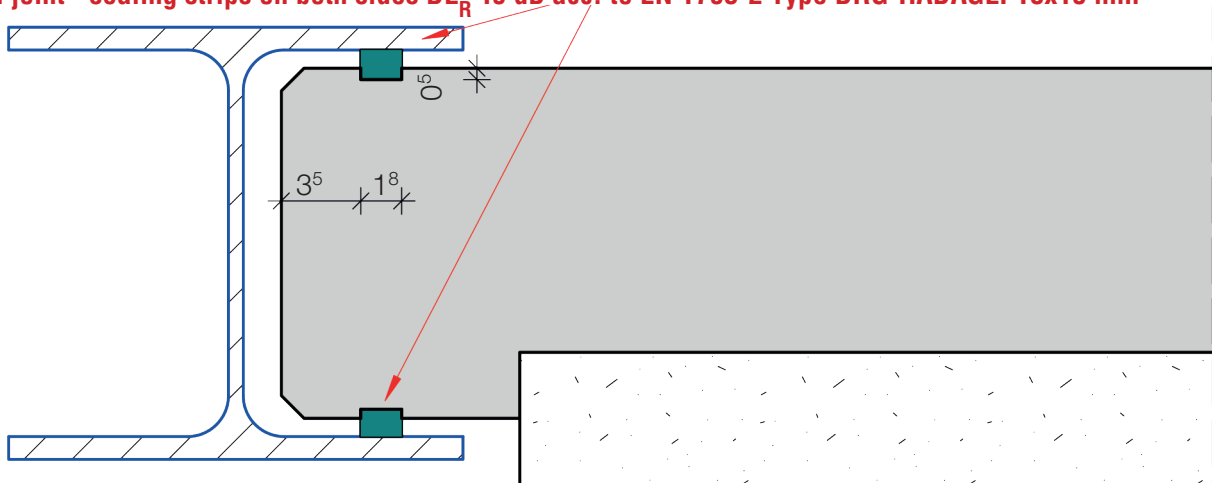




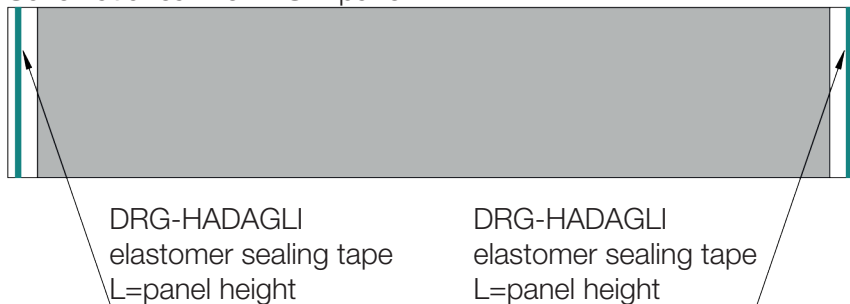
Sketch

In the case of increased effectiveness of the airborne sound insulation, the DRG-HADAGLI elastomer sealing tape is pressed and glued into the groove on the front and back over the full panel height. The tapes should be pressed 2-3 mm each when installed. For different support tolerances, the tape is available not only in the standard thickness of 15 mm but also optionally in 12 and 18 mm as standard.

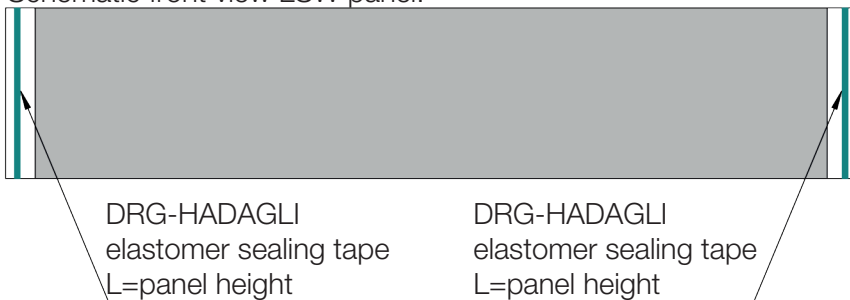
Vertical joint - sealing strips on both sides DL_R 49 dB acc. to EN 1793-2 Type DRG-HADAGLI 18x15 mm



Schematic rear view LSW panel:



Schematic front view LSW panel:



These specifications are made according to the building acoustics test report 27372/2020 BTI.



DRG elastostrips HADAGLI



DRG elastostrip HADAGLI is a strip used for structural joints between steel girders and noise protection elements for permanent sound insulation.

The strip is mounted vertically at the panel ends in the clamping area so that the wall elements can be elastically embedded in the steel post construction. The strip is inserted into the vertical joints with a slight pressure so that the wall elements are held stable. Because the strip is fixed to the panel, it is impossible for it to slip or fall out during assembly or when the panel is in use. The strip is fixed to the panel so that it cannot slip or fall out during assembly or when installed.

Technical data - Product features

Materialbasis		EPDM solid/special composite sliding fleece Mod. Acrylic adhesive tape
Sound insulation on one side on both sides	EN 1793-2	DL _R 47 dB DL _R 49 dB
Bulk density		110 - 160 kg/m ³
Fire behaviour	in accordance with FMVSS 302	passed from 8 mm
Ozone resistance	ISO 1431	Crack formation level 0
Temperature stability		- 40 °C to 70 °C, briefly up to 80 °C
Tensile strength	ISO 1798	Ø 1,025 kPa
Elongation at break	ISO 1798	Ø 92 %
Shore hardness 00	ASTM D 2240	60 - 70
Compression set	ASTM D 1056	< 35 % at 23 °C or not tested at 40 °C
Tolerance		+/- 1.0 mm
Delivery form		In standard strips 0.1 m/max. 1.0 m

Special formats (DxWxL)	Colour	Packaging
12 x 18 x 100mm 12 x 18 x 1000mm	red red	200 pcs./box 180 pcs./box
15 x 18 x 100mm 15 x 18 x 1000mm	white white	150 pcs./box 160 pcs./box
18 x 18 x 100mm 18 x 18 x 1000mm	black black	130 pcs./box 140 pcs./box

STORAGE: AT 20°C TO 30°C AND MAX. 65% REL. HUMIDITY IN THE ORIGINAL PACKAGING; SHELF LIFE 12 MONTHS AFTER DATE OF RECEIPT BY CUSTOMER.

Our information in this data sheet is based on the results of practical experience and the tests carried out by us and are not warranted characteristics as defined by the BGH case law.

As we have no influence on the variety of materials or their processing, no liability can be derived from this information or from the use of our technical consulting service. We definitely recommend that you carry out your own tests.

Please note our processing instructions and our building acoustics test report 27372/2020 BTI!



Press-in over full height in recessed groove



10 cm strip to secure position



Pressing in the position protection



Recess for 10 cm strip



Panel with full height sealing strip on 1. , 2. side Side 10 cm strip to secure position



Panel with full height sealing tape on both sides





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