TEROSON

Technical Data Sheet

TEROSON BT 2002

August 21

Full-surface self-adhesive bitumen-impregnated wool-felt board for absorbing structure-borne sound

PROPERTIES

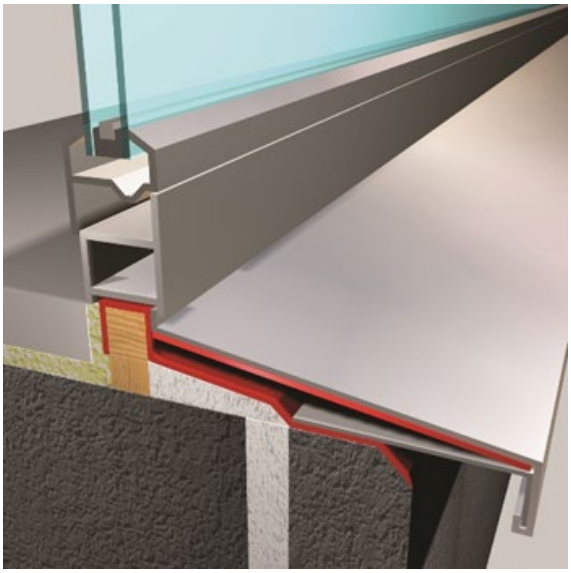
- Efficient and weight-saving sounddamping of thin-walled sheet metals
- Excellent adhesion to stainless steel, sheet steel and plastics
- Provides additional reinforcement (stiffening effect)

POSSIBLE USES

For damping and absorbing structure-borne sound caused by garage doors, facade elements, windowsills, bathtubs, shower trays and sinks, radiator covers, garbage chutes, ventilation and air-conditioning systems, elevator cabins.

SUBSTRATE PREPARATION

The surfaces to be covered must be clean, dry and free of dust, oil, grease or other substances likely to impair adhesion. Application of a special adhesion-promoting primer is not required. On metal surfaces, adequate corrosion protection must be provided if necessary.



APPLICATION

TEROSON BT 2002 sounddamping boards can be cut to size either manually or with guillotine shears. After cutting or punching out the required sizes, peel off the release paper and press the cut- or punched-out parts firmly and evenly onto the substrate by hand. Additionally, we recommend use of a hard TEROSON rubber roller to avoid air pockets. Furthermore, we recommend installing the boards only at temperatures above +18 °C. If necessary, preheat the boards slightly before installation.

STORAGE

TEROSON BT 2002 is not susceptible to frost damage. We recommend storage temperatures between +10 °C and +25 °C.

Shelf life: 36 months

DISPOSAL

TEROSON BT 2002 outer cartons are disposed of at a wastepaper collection point or at a municipal waste collection point. Insulation boards must be disposed of as industrial waste or construction site waste.

European Waste Code (EWC): 080410

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TECHNICAL DATA

TEROSON BT 2002

Material base:	Bitumen-impregnated wool-felt board with acrylate copolymer
Color:	Grey
Size:	1000 x 500 mm
Board thickness:	2.3 ± 0.2 mm
Weight:	1.55 g/cm³
Breaking strength (DIN 53112):	≥ 150 N/20 mm
Thermal resistance: Long-term exposure 336 hrs (test method B-031 X)	Max. +80 °C
Short-term exposure 1 h (test method B-030 D)	Max. +150 °C
Low-temperature resistance (test method B-014 X)	-30 °C (no spalling)
Adhesion to non-corrosive sheet steel (test method H-002A):	≥ 6.5 N/cm
Fire resistance: (DIN EN 13501-1)	Class E

Acoustic data:

Loss factor: (acc. to DIN EN ISO 6721)	≥ 0.15
Temperature / frequency:	+20°C / 200 Hz
Material:	1 mm steel sheet

Resistance to liquids:

(DIN 53521 – one-sided exposure for 4 hrs at room temperature)	Weight increase per dm² (guide values)
Water:	Approx. 3.0 g Surface not visibly attacked
Premium grade fuel: (EURO standard)	Approx. 3.0 g Bitumen components leached out; surface noticeably attacked
Engine oil HD: (15 W - 40)	Approx. 0.5 g Surface not visibly attacked
Diesel fuel:	Approx. 3.0 g Bitumen components partly dissolved; surface slightly attacked

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