

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

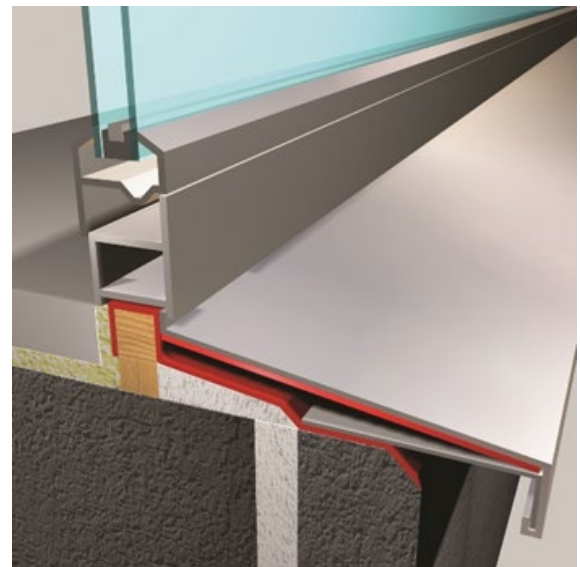
TEROSON BT 2002 is not susceptible to frost damage. We recommend storage temperatures between +10 °C and +25 °C.

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



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/cm ³
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 dm ² (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

Apart from the information given in this Technical Data Sheet it is also important to observe the relevant guidelines and regulations of various organizations and trade associations as well as the applicable national standards. All data given was obtained at an ambient and material temperature of +23°C and 50 % relative humidity unless specified otherwise. Please note that in other climatic conditions hardening may be accelerated or delayed and take the resulting consequences into account.

The above information, in particular proposals for the handling, application and use of our products, is based on our knowledge and experience. As materials and conditions may vary with each intended application and thus are beyond our influence, we strongly recommend that in each case the user conducts sufficient tests to ensure our products are suitable for the intended application method and use. Legal liability cannot be accepted, either based on the content of this data sheet or any verbal advice given, unless there is evidence of carelessness or gross negligence on the manufacturer's part. This Technical Data Sheet supersedes all previous issues.

Please refer to our Safety Data Sheet for hazard warnings, safety advice and information on transport labelling.