

## TEROSON BT SP 350

June 2018

### PRODUCT DESCRIPTION

<b>Technology</b>	Polymer Modified Bitumen
<b>Product type</b>	Pressure Sensitive Bitumen Foil for the Absorption of Structure-borne Noise

TEROSON BT SP 350 is a pressure sensitive bitumen foil based on high quality polymer modified bitumen and specific fillers.

The foil is provided with a pressure sensitive solvent free adhesive material based on special acrylic copolymers.

The adherent side is protected from the effects of transportation and storage by a covering material (silicone paper) and the upper side of the foil is protected by a seal (anti-blocking layer).

TEROSON BT SP 350 is flexible at room temperature and thus can accommodate curved surfaces without difficulty.

By additional heating (e.g. with an industrial hot air blower to approx. 80°C) the material can even be pressed into grooves and indents.

The product must not be subjected to standing water or direct weathering.

### Application Areas:

TEROSON BT SP 350 is used for sound deadening resp. absorption of structure-borne noise on thin walled sheet metals (up to 1.2 mm) e.g. on facade elements, aluminum window sills, ventilation ducts, in the manufacture of vehicles and machinery, and in the building of equipment.

### TECHNICAL DATA

(Typical Test Results)

Color:	black (upper side)
Covering (adhesive side):	silicone paper
Sealing:	PE-anti blocking film (removable)
Odour:	characteristic of bitumen, up to 80°C minor
Consistency:	solid boards, at room temperature flexible
Density:	~1.82 g/cm <sup>3</sup>
Thickness:	~1.6 mm
Weight per square meter:	~2.8 kg/m <sup>2</sup>
Sustained heat load test	
Maximum:	100°C (minimum 1 h vertical)
Permanent:	80°C (minimum 336 h vertical)
Resistance to low temperatures:	30°C (when applied)
Fire rating DIN 4102 part 1:	passes class B 2

DIN 75200 (ISO 3795):  
or FMVSS 302

rate of combustion = 0,  
self-extinguishing after 30  
s (prior to reaching first  
reference mark)

### Acoustic Data:

Loss factor DIN 53440:

See Graphs 1 - 2

Temperature:

20°C

Frequency:

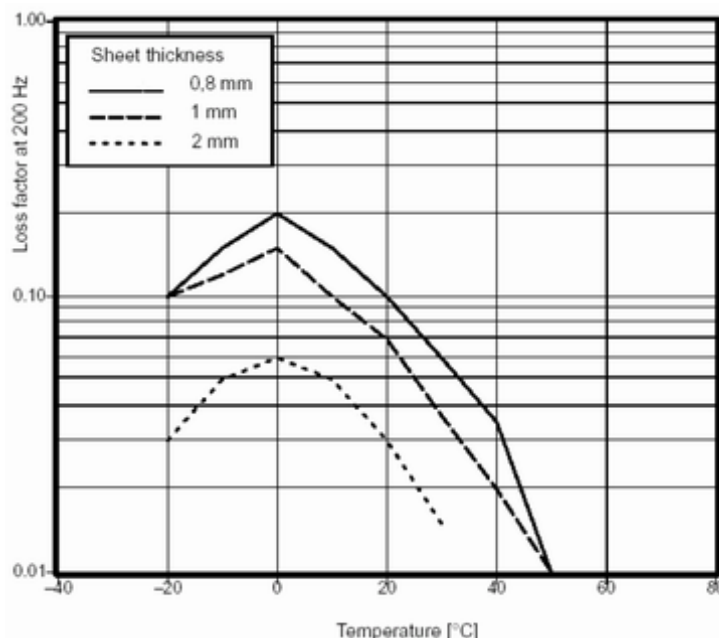
200 Hz

Material:

sheet steel 1 mm

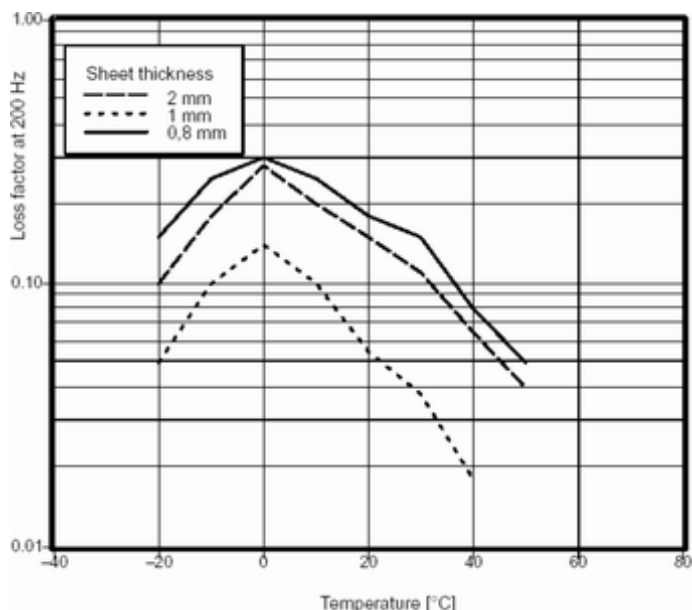
### Loss Factor - Graph 1

Loss factor of TEROSON BT SP 350 according to DIN 53440 on steel sheet as a function of temperature (weight of the covering = 2.8 kg/m<sup>2</sup>)



### Loss Factor - Graph 2

Loss factor of TEROSON BT SP 350 according to DIN 53440 on aluminum sheet as a function of temperature (weight of the covering = 2.8 kg/m<sup>2</sup>)

**Classification:**

Please refer to the corresponding **Safety Data Sheets** for details on:

**Hazardous Information****Transport Regulations****Safety Regulations****Storage:**

Frost sensitive	no
Recommended storage temperature	18 to 25 °C (at temperatures below 18°C danger of breakage exists)
Shelf life	12 months in original packaging

**PRELIMINARY STATEMENT**

Prior to use it is necessary to read the **Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed.

**Pretreatment:**

The surface to which the board is to be attached must be clean, free from grease and dry. TEROSON VR 20 is suitable for cleaning.

**Application:**

TEROSON BT SP 350 can be cut manually or by gate shears. After peeling off the release paper, the adhesive side of the Teroson mat should be pressed onto the surface. To guarantee optimum adhesion the parts to be bonded with another should have a temperature of 20 to 25°C and should be pressed on with a roll to avoid air-bubbles. Leave parts for 24 hours of application of the boards prior to vertical or overhead storage. Due to the high weight of the foil priming the substrate with TEROSON SB 2444 must be executed for overhead application. In rare cases particularly on fresh painted surfaces (leveling agent) adhesion can cause problems, also on hammer effect enamel or similar (reduction of contact surface). Pre-trials are suggested.

**Important:**

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