



BarySkin®

Product

Bary Skin is a high-quality, two-component material, which is solvent-free on the base of PUR with high damping effects on structure-borne sounds.

Range of application

- damping and sealing material
- metal glue and acoustically efficient intermediate layer in sandwich constructions 4:1:1
- protection against corrosion
- glue and sealing for heavy layers

Method of application

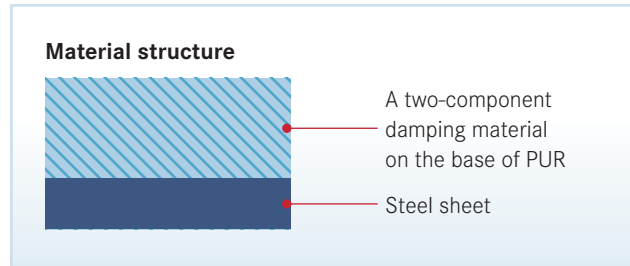
Prior to the start of operation it is necessary to become familiar with the safety measures by means of the material safety data sheet. Even for products which are not subject to labelling, the safety measures common for chemical products are to be adhered to.

Preparation of surface

The surfaces to be coated have to be clean, dry and free from dust, oils, greases and other antiadhesive components.

BarySkin, depending on material and application, is applied by coating, spraying or flat coating.

Even though the material binds well on commercially primed surfaces, we recommend a test on primed metal sheets first.



A direct application on freshly sand-blasted surfaces (standard Sa 2^{1/2}-SIS) is possible and also advisable. When working with BarySkin, moisture in the curing phase should be excluded.

Working with BarySkin

Component BarySkin - A has to be thoroughly mixed first and then prior to application intensively mixed with Component - B according to the stated ratio (weight parts in accordance with data sheets) until a uniform colour tone without stripes is achieved.

Mixing can be done manually or, for large quantities, by means of a mixing device.

Non-mixed material does not cure. Watch the material in contact with the mixing reservoir. If necessary, remix the material in a new container.

After the mixing process the material is ready for use.

Damping and sealing material

To achieve optimal damping, BarySkin is applied with double metal sheet thickness.

The following materials are suitable for this purpose:

- BarySkin V60
- BarySkin V606
- BarySkin V608D
- BarySkin V60 Db
- BarySkin V607
- BarySkin V607 castable

The acoustically efficient intermediate layer

The countersheet is glued directly through BarySkin. Such a method of structure-borne sound damping is especially suitable for sound radiating thick-walled metal constructions.

The thickness ratio between the metal sheet to be dampend, the BarySkin intermediate plastic layer and the countersheet should be 4:1:1.

The following materials are suitable for this purpose:

- BarySkin V606
- BarySkin V607
- BarySkin V608D

When mounting vertical or overhead sandwich constructions, we recommend an additional mechanical support using screws.

Protection against corrosion

The thickness of the BarySkin layer has to be approximately 300 µm.

Surfaces treated with BarySkin can be reprocessed after 6 hours.

The final curing process at a temperature above +5°C lasts approximately 24 hours.

For this purpose, the following materials are suitable:

- BarySkin V60
- BarySkin V61 white
- BarySkin V61 white special
- BarySkin V60 Db

Glueing and sealing

In case of heavy layers or damping mats, a thin layer of BarySkin is applied on the base material and the glued side of the mats.

Application can be carried out with a toothed filling knife.

After glueing, the butt joints and borders are sealed with the same material.

For this purpose, the following materials are suitable:

- BarySkin V60
- BarySkin V606

Product characteristics

- high efficiency of structure-borne sound damping
- application by means of coating, spraying or flat coating according to product specification
- excellent adhesive properties
- can be used for machinery in the food sector
- solvent-free (free of volatile components)

Please pay attention to the following

- If processed manually, it is advisable to use small quantities.
- The processing time at a temperature of +20°C is approximately 20 minutes.
- The processing of higher quantities and higher ambient temperatures require less time.
- It is not advisable to process the material at a temperature below +7 °C.

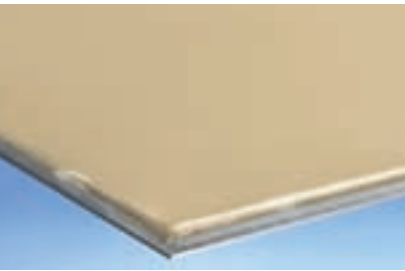
Our advice

- We recommend to wear gloves, protective eyeglasses and masks as individual protective means when working with BarySkin. For spraying, you have to wear a panoramic breathing mask with filter or a fresh-air mask.
- For standard processing by spraying, we do recommend to provide for a proper exhauster.
- Immediately after use the tools have to be thoroughly cleaned with a polyurethane cleanser or a similar solvent. Contaminated varnished spots have to be cleaned immediately.
- For further information please refer to the EC material safety data sheets.

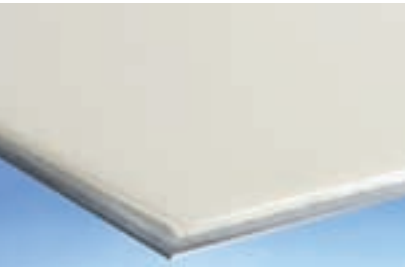
BaryTec®

Product

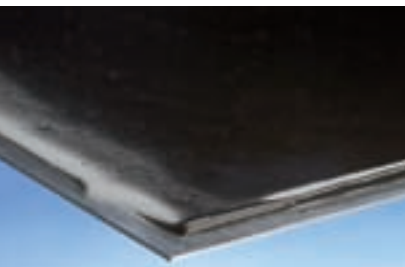
In respect of technical characteristics and methods of work, BaryTec is similar to BarySkin. It consists of BarySkin and introduced bulk material and is applied as nonskid layer or device counteracting sliding. The only difference is that bulk material of various granularity is added immediately to freshly applied material.



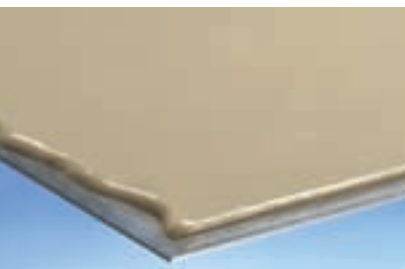
BarySkin V60



BarySkin V61 white special



BarySkin 9Vt



BarySkin V606

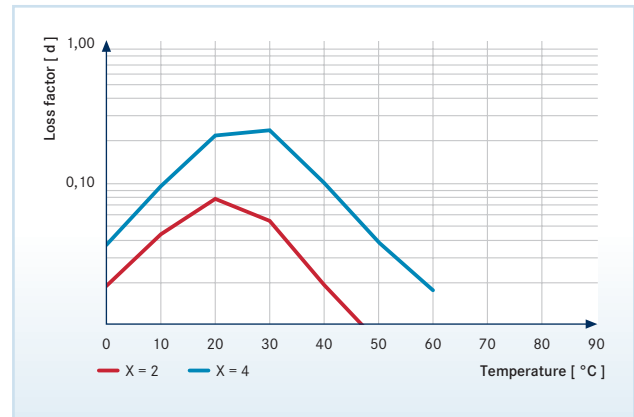


BarySkin V608D



BarySkin® V60

Damping on steel sheet according to ISO 6721



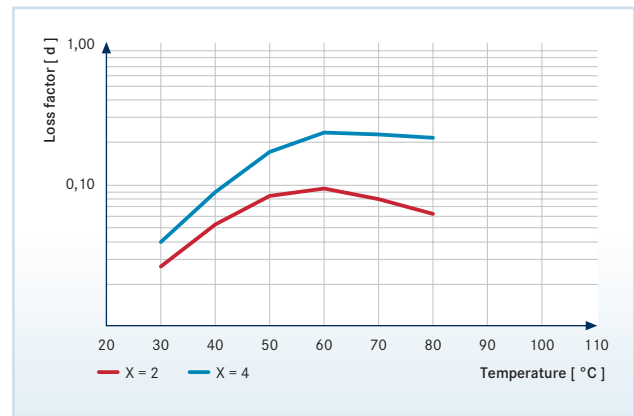
Base: steel

X = thickness ratio of layer/steel sheet

Frequency: $f = 200$ Hz

BarySkin® V61 white special

Damping on steel sheet according to ISO 6721



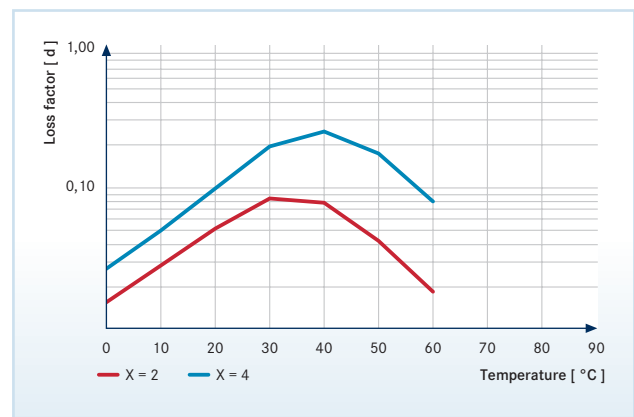
Base: steel

X = thickness ratio of layer/steel sheet

Frequency: $f = 200$ Hz

BarySkin® V60 Db

Damping on steel sheet according to ISO 6721



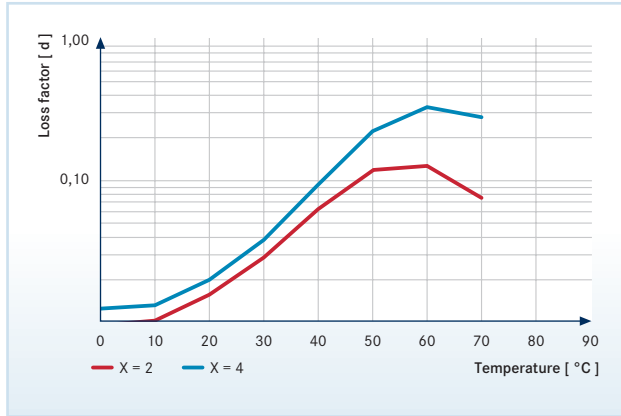
Base: steel

X = thickness ratio of layer/steel sheet

Frequency: $f = 200$ Hz

BarySkin® V61 white

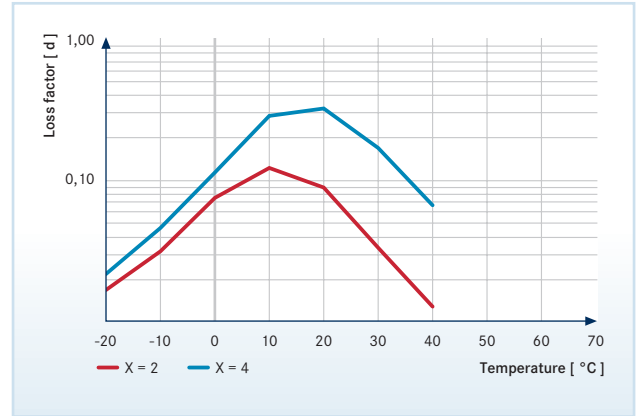
Damping on steel sheet according to ISO 6721



Base: steel
X = thickness ratio of layer/steel sheet
 Frequency: *f* = 200 Hz

BarySkin® 9Vt

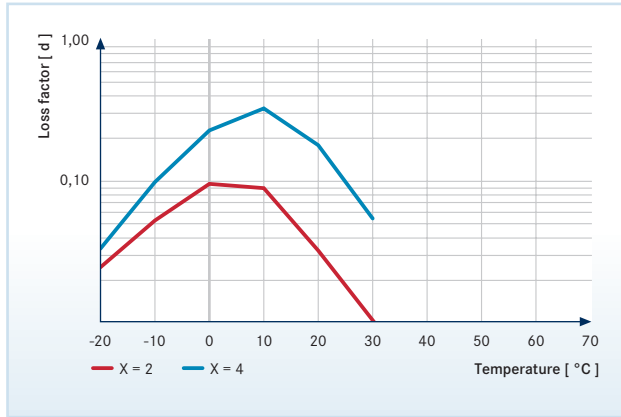
Damping on steel sheet according to ISO 6721



Base: steel
X = thickness ratio of layer/steel sheet
 Frequency: *f* = 200 Hz

BarySkin® V607 gf

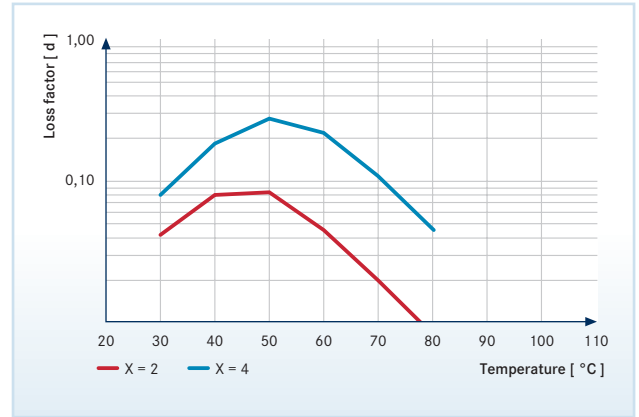
Damping on steel sheet according to ISO 6721



Base: steel
X = thickness ratio of layer/steel sheet
 Frequency: *f* = 200 Hz

BarySkin® V606

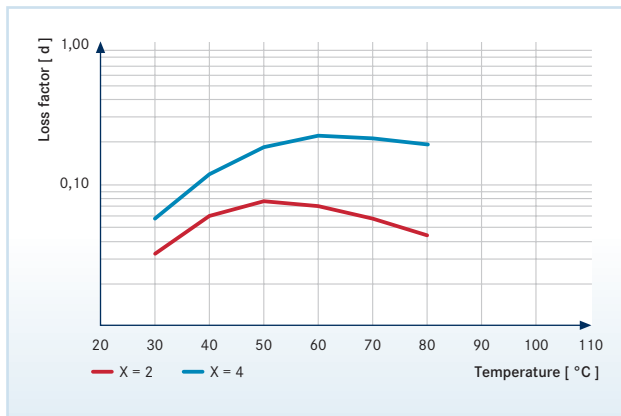
Damping on steel sheet according to ISO 6721



Base: steel
X = thickness ratio of layer/steel sheet
 Frequency: *f* = 200 Hz

BarySkin® V607

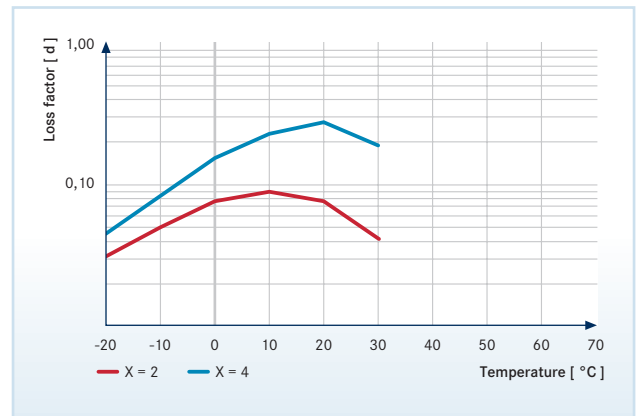
Damping on steel sheet according to ISO 6721



Base: steel
X = thickness ratio of layer/steel sheet
 Frequency: *f* = 200 Hz

BarySkin® V608D

Damping on steel sheet according to ISO 6721



Base: steel
X = thickness ratio of layer/steel sheet
 Frequency: *f* = 200 Hz