

NOVODAMP®

Closed-cell Polyurethane

Attenuation of Vibration & Structure-borne Noise for Buildings

» Standard Product Data

Standard Dimension
1.2 x 1.5 m

Standard Thickness
25 mm

Tailored dimensions and thicknesses are available on request.

- » [B006](#)
- » [B008](#)
- » [B010](#)
- » [B018](#)
- » [B025](#)
- » [B035](#)
- » [B045](#)
- » [B060](#)
- » [B075](#)
- » [B100](#)
- » [B125](#)
- » [B150](#)
- » [B300](#)
- » [B600](#)
- » [B1200](#)



Technical Data B006

Nominal Static Load Capacity

Full-surface: 0.047 N/mm²
Shape Factor 3.0: 0.045 N/mm²
Shape Factor 1.5: 0.044 N/mm²

Permissible Horizontal Deformation

~ 40 % of material thickness*

Horizontal Stiffness

~ 35 % of vertical stiffness*

Mechanical Loss Factor

< 0.1 (DIN 53513; depending on frequency, amplitude, preload and temperature)

Operating Temperature

-25 °C to 55 °C

Compression Set

< 15 % (DIN EN ISO 1856; 50 %; 72 h; 23°C)

Flammability

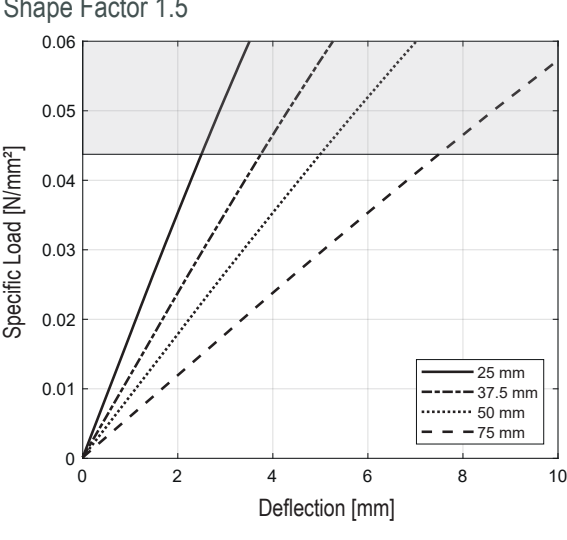
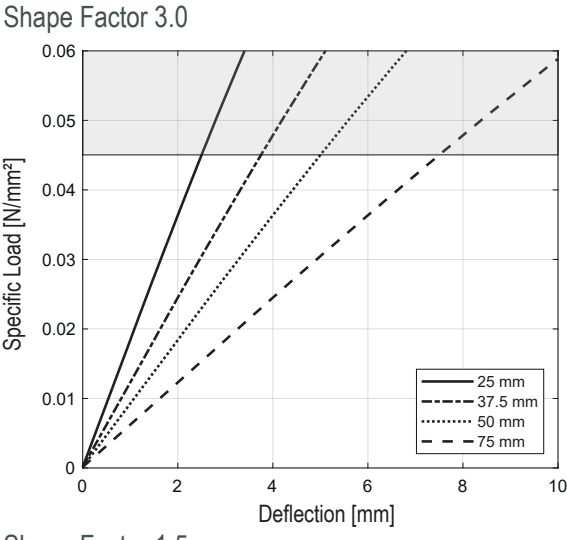
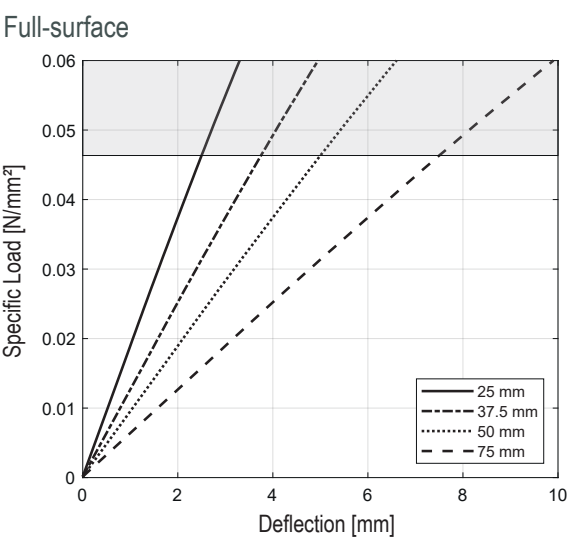
Class E (DIN EN ISO 11925-2)
B2 (DIN 4102-1)

Specific Volume Resistance

> 5 · 10⁹ Ωm (DIN EN 62631-3-1; for dry material)

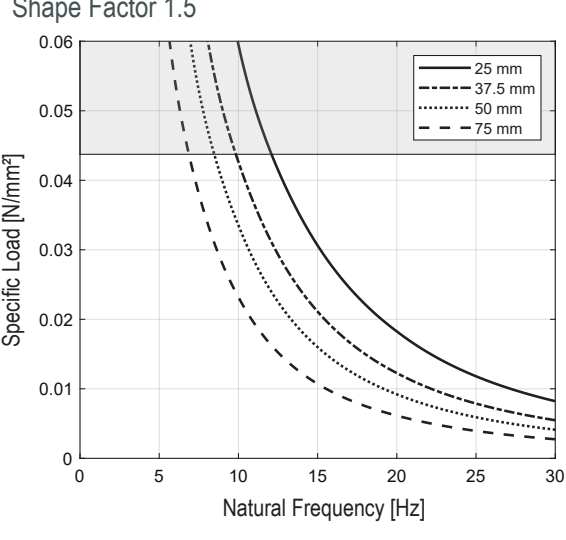
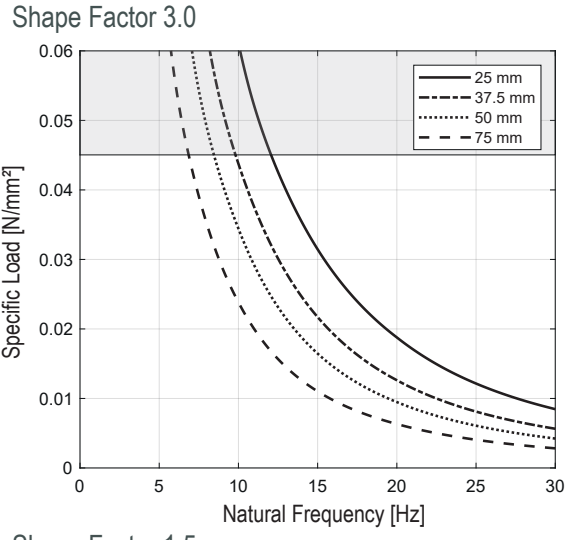
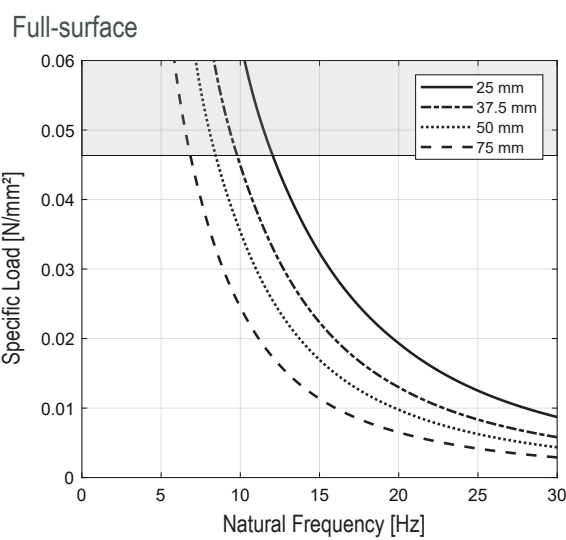
*Design reference value

Load Deflection

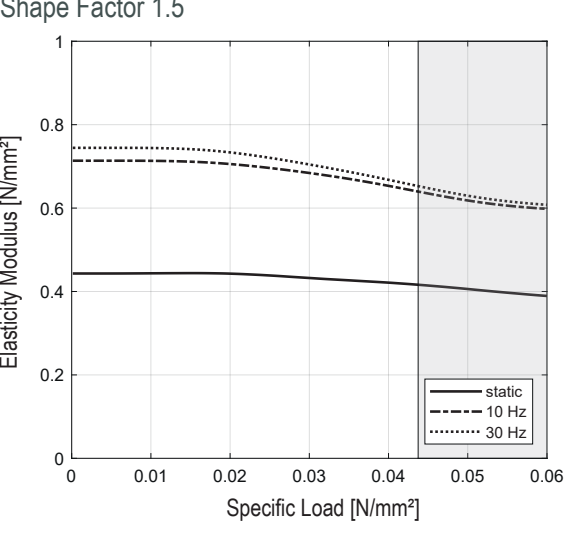
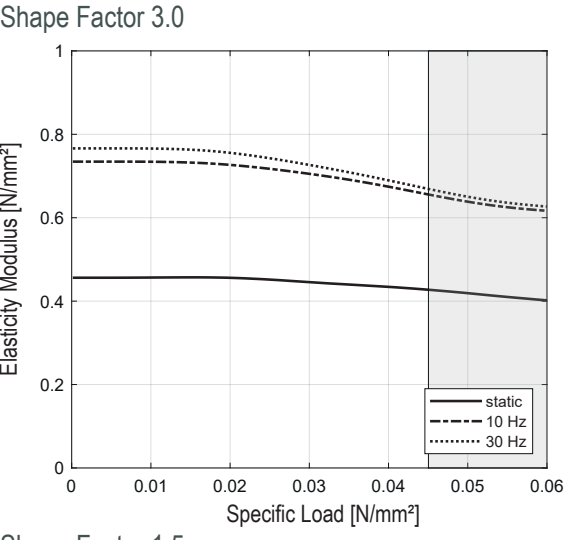
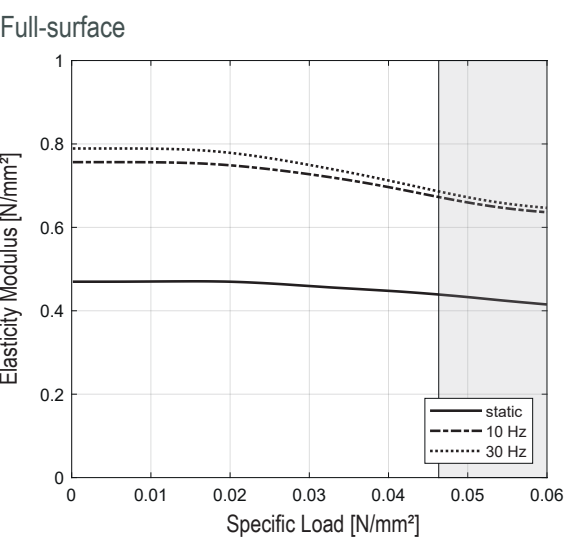


- B006
- » B008
 - » B010
 - » B018
 - » B025
 - » B035
 - » B045
 - » B060
 - » B075
 - » B100
 - » B125
 - » B150
 - » B300
 - » B600
 - » B1200

Natural Frequency



Modulus of Elasticity



- B006
- » B008
 - » B010
 - » B018
 - » B025
 - » B035
 - » B045
 - » B060
 - » B075
 - » B100
 - » B125
 - » B150
 - » B300
 - » B600
 - » B1200

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Technical Data B008

Nominal Static Load Capacity

Full-surface: 0.054 N/mm²
Shape Factor 3.0: 0.050 N/mm²
Shape Factor 1.5: 0.047 N/mm²

Permissible Horizontal Deformation

~ 40 % of material thickness*

Horizontal Stiffness

~ 35 % of vertical stiffness*

Mechanical Loss Factor

< 0.1 (DIN 53513; depending on frequency, amplitude, preload and temperature)

Operating Temperature

-25 °C to 55 °C

Compression Set

< 15 % (DIN EN ISO 1856; 50 %; 72 h; 23°C)

Flammability

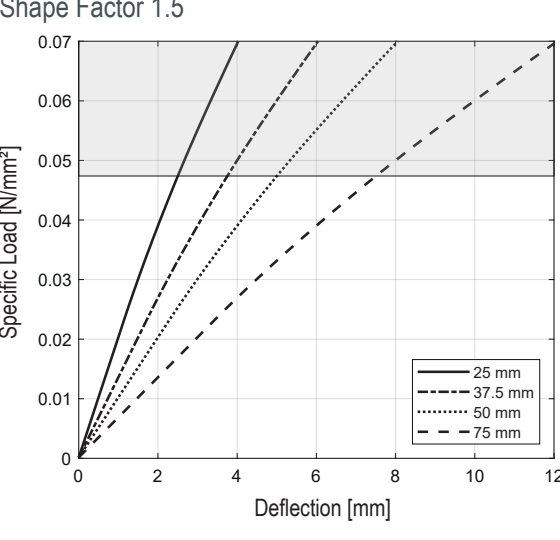
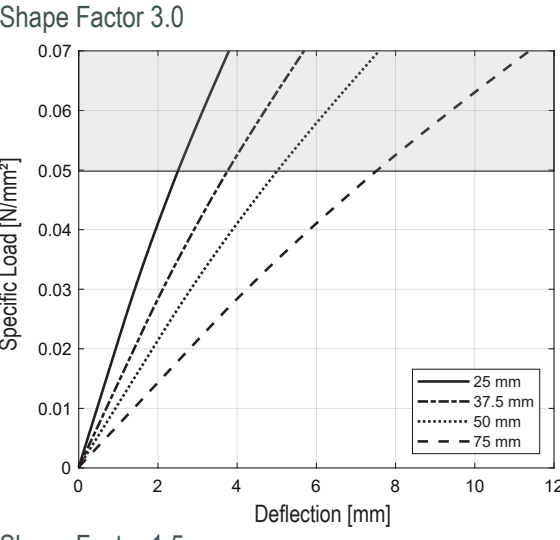
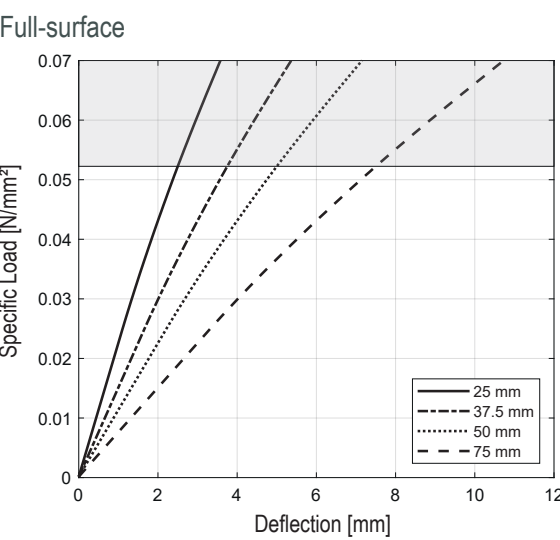
Class E (DIN EN ISO 11925-2)
B2 (DIN 4102-1)

Specific Volume Resistance

> 2 · 10⁹ Ωm (DIN EN 62631-3-1; for dry material)

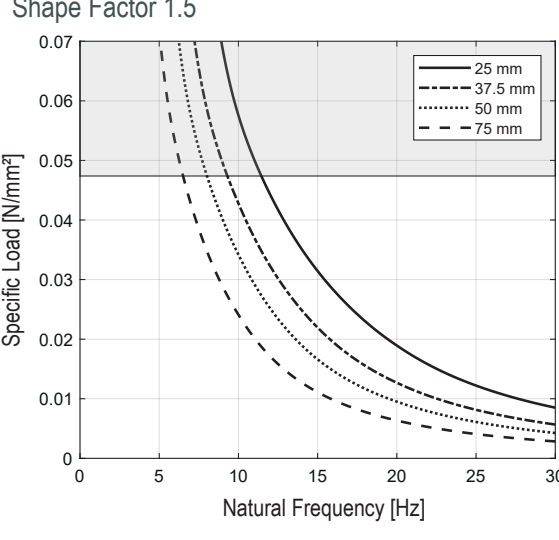
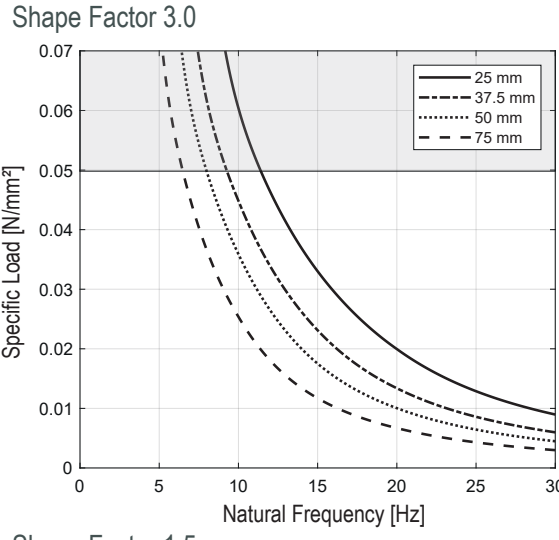
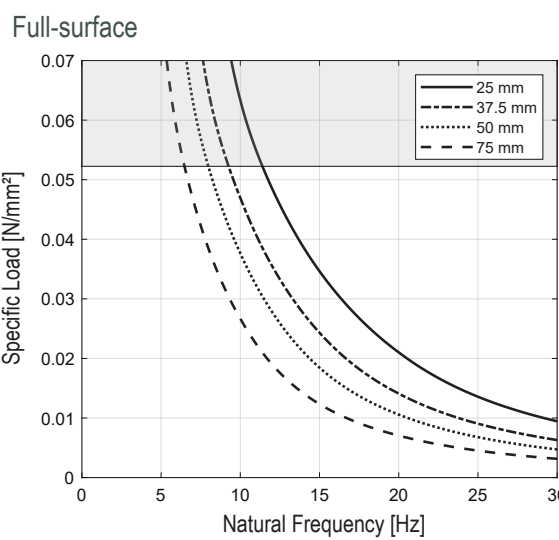
*Design reference value

Load Deflection

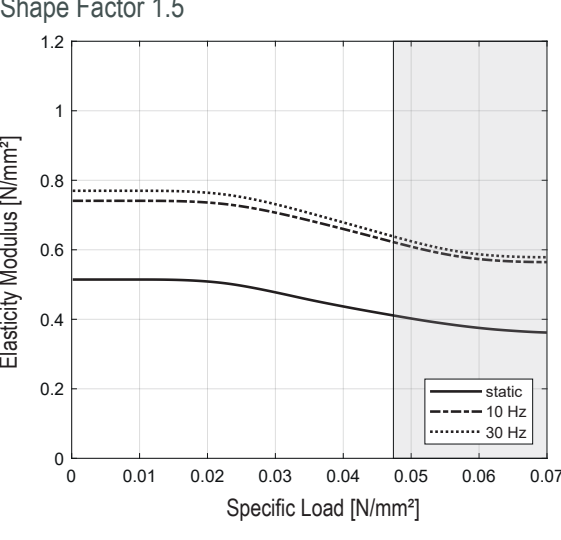
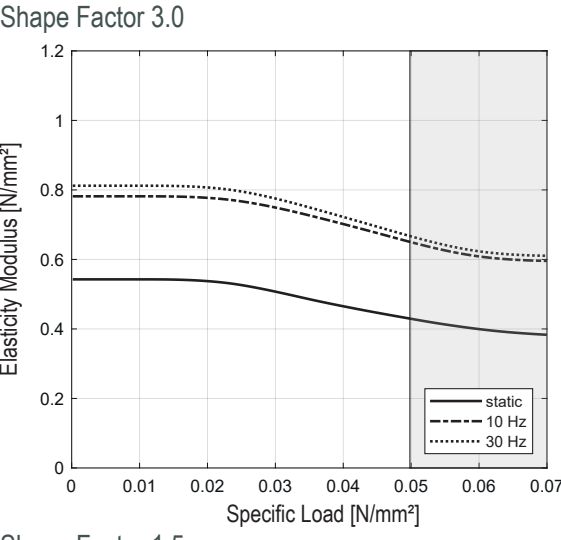
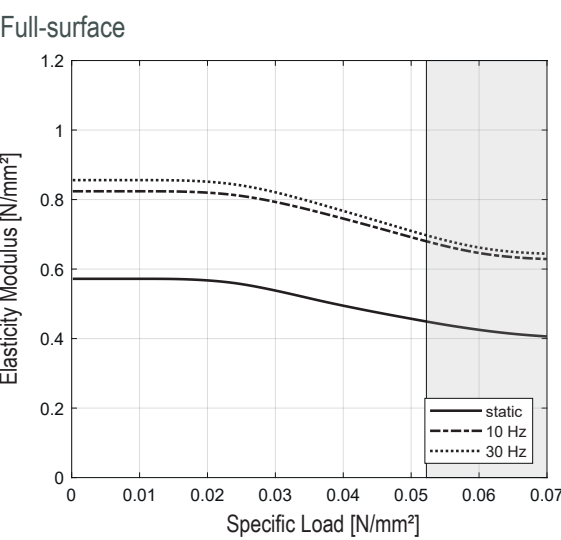


- » B006
- B008
- » B010
- » B018
- » B025
- » B035
- » B045
- » B060
- » B075
- » B100
- » B125
- » B150
- » B300
- » B600
- » B1200

Natural Frequency



Modulus of Elasticity



- » B006
- B008
- » B010
- » B018
- » B025
- » B035
- » B045
- » B060
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Technical Data B010

Nominal Static Load Capacity

Full-surface: 0.071 N/mm²
Shape Factor 3.0: 0.067 N/mm²
Shape Factor 1.5: 0.065 N/mm²

Permissible Horizontal Deformation

~ 40 % of material thickness*

Horizontal Stiffness

~ 35 % of vertical stiffness*

Mechanical Loss Factor

< 0.1 (DIN 53513; depending on frequency, amplitude, preload and temperature)

Operating Temperature

-25 °C to 55 °C

Compression Set

< 15 % (DIN EN ISO 1856; 50 %; 72 h; 23°C)

Flammability

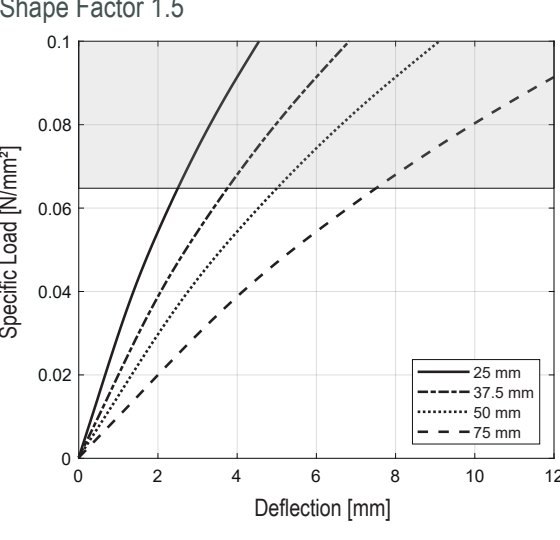
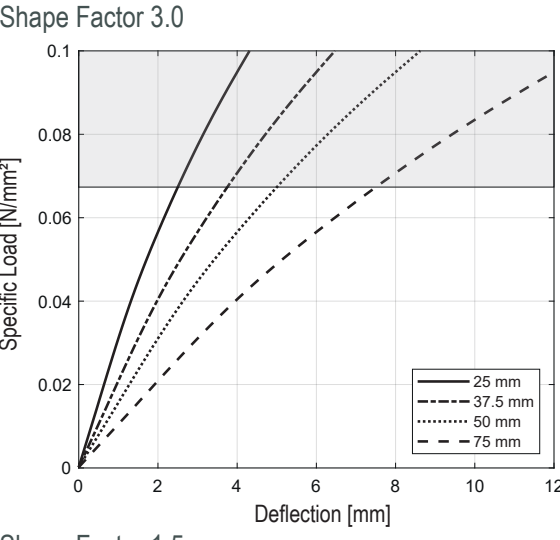
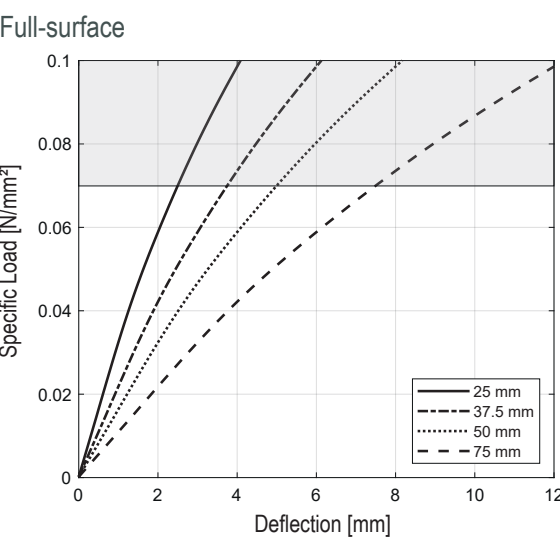
Class E (DIN EN ISO 11925-2)
B2 (DIN 4102-1)

Specific Volume Resistance

> 10³ Ωm (DIN EN 62631-3-1; for dry material)

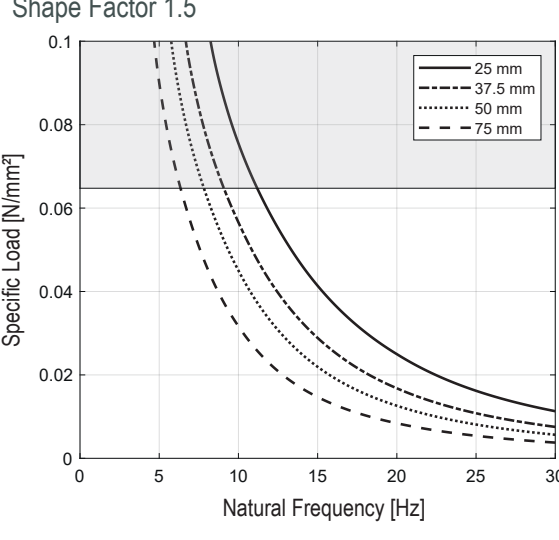
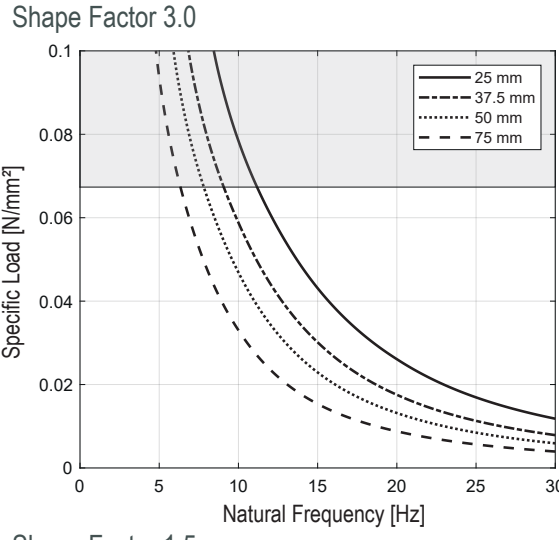
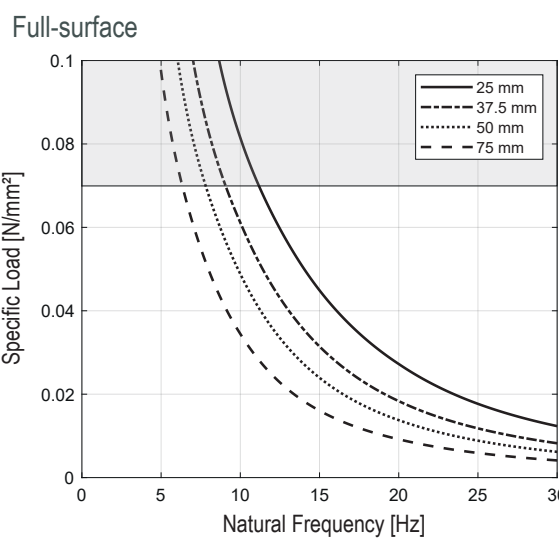
*Design reference value

Load Deflection

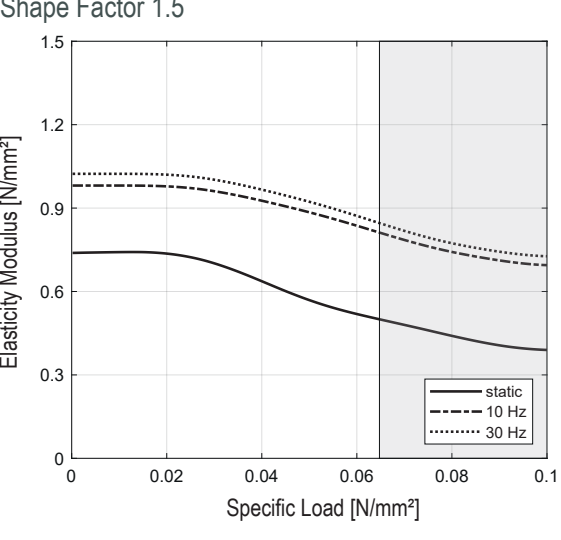
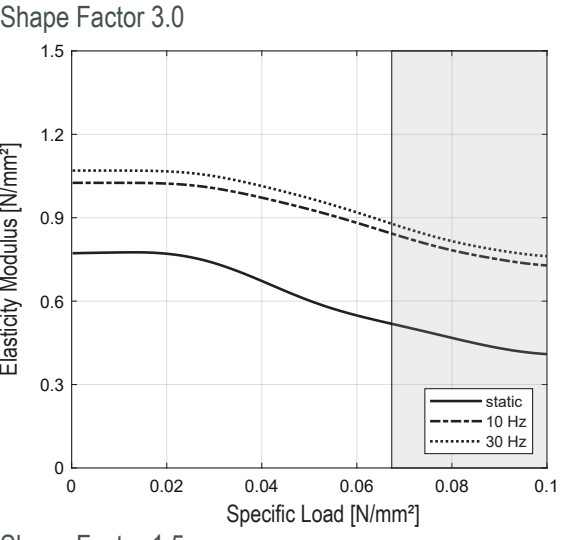
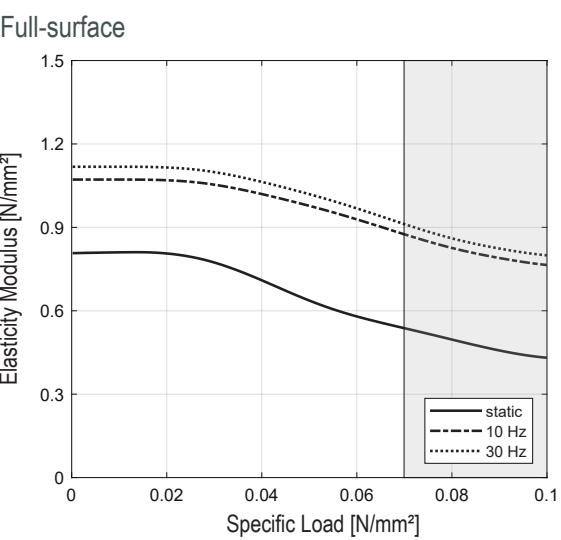


- » B006
- » B008
- B010
- » B018
- » B025
- » B035
- » B045
- » B060
- » B075
- » B100
- » B125
- » B150
- » B300
- » B600
- » B1200

Natural Frequency



Modulus of Elasticity



- » B006
- » B008
- B010
- » B018
- » B025
- » B035
- » B045
- » B060
- » B075
- » B100
- » B125
- » B150
- » B300
- » B600
- » B1200

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Technical Data B018

Nominal Static Load Capacity

Full-surface: 0.18 N/mm²
Shape Factor 3.0: 0.16 N/mm²
Shape Factor 1.5: 0.14 N/mm²

Permissible Horizontal Deformation

~ 30 % of material thickness*

Horizontal Stiffness

~ 25 % of vertical stiffness*

Mechanical Loss Factor

< 0.1 (DIN 53513; depending on frequency, amplitude, preload and temperature)

Operating Temperature

-25 °C to 55 °C

Compression Set

< 5 % (DIN EN ISO 1856; 50 %; 72 h; 23°C)

Flammability

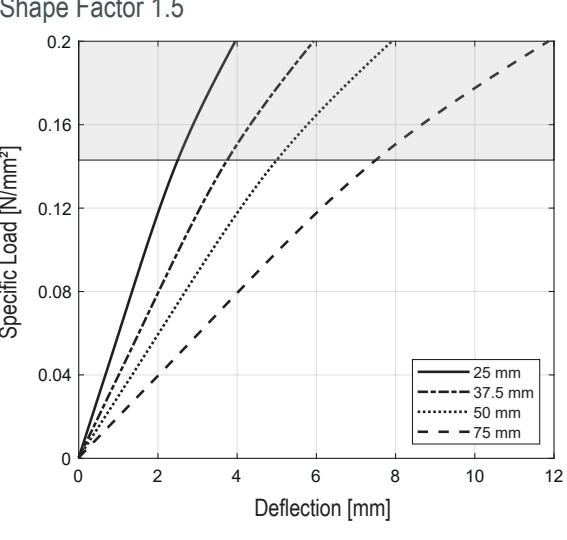
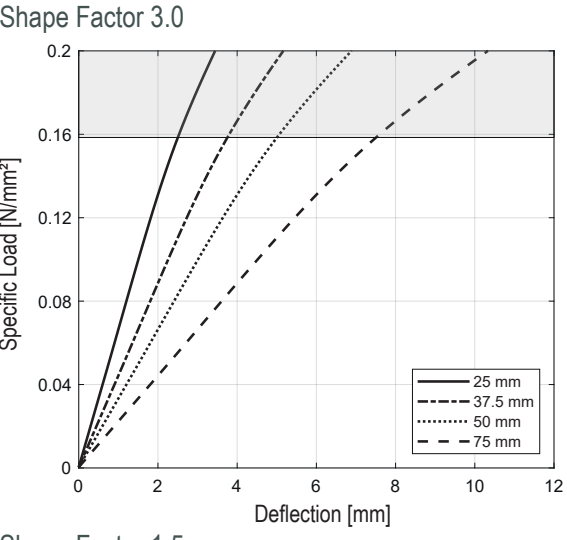
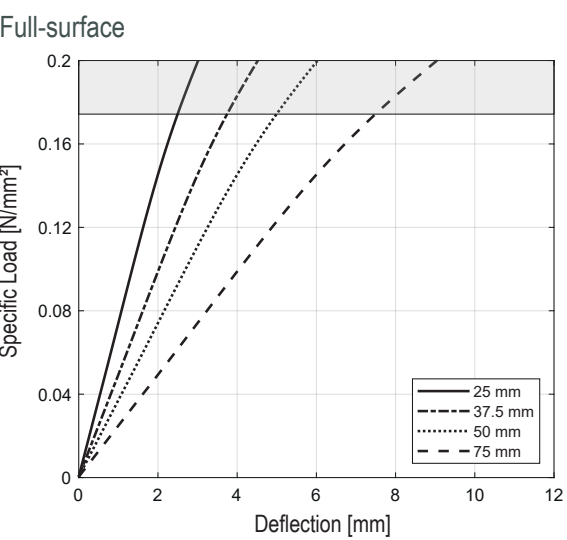
Class E (DIN EN ISO 11925-2)
B2 (DIN 4102-1)

Specific Volume Resistance

> 5 · 10⁸ Ωm (DIN EN 62631-3-1; for dry material)

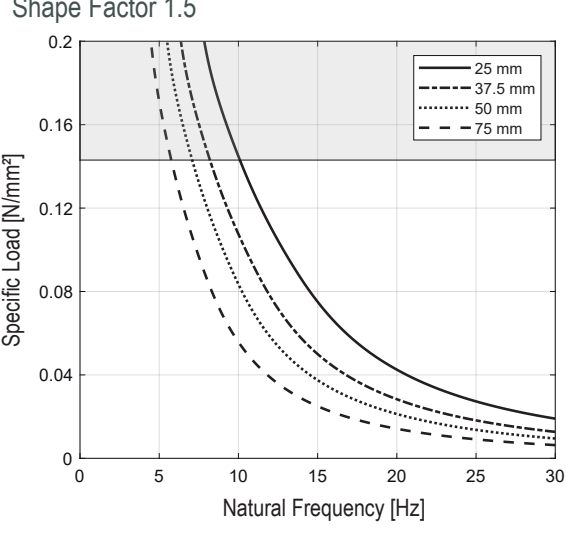
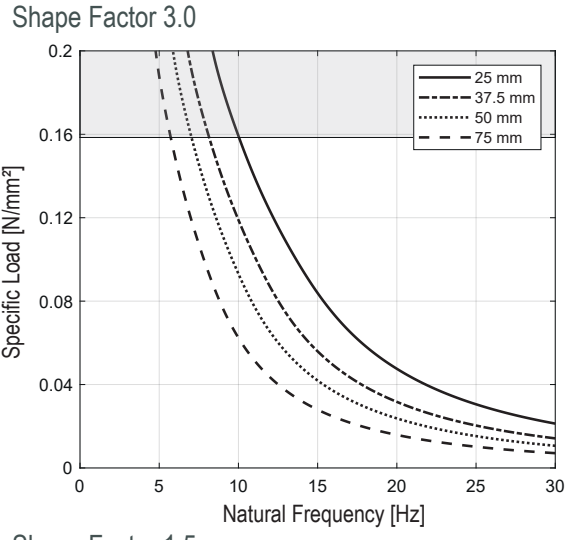
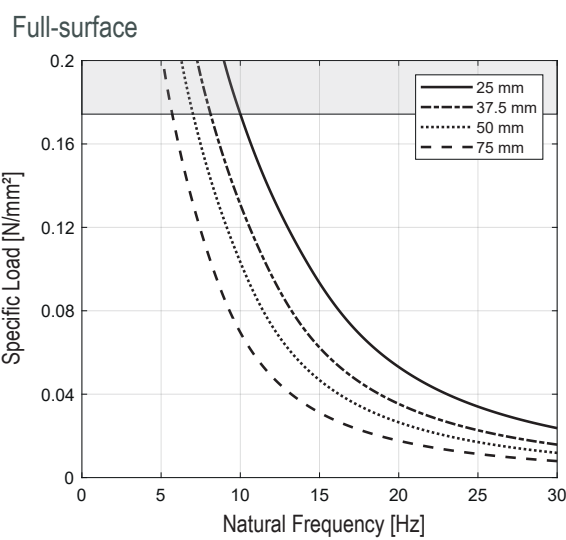
*Design reference value

Load Deflection

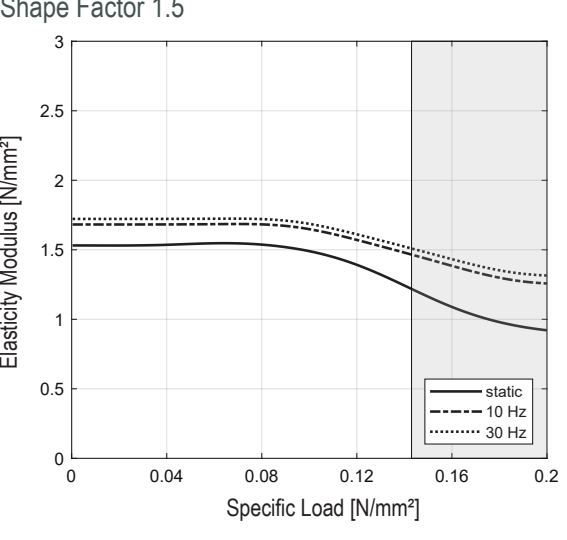
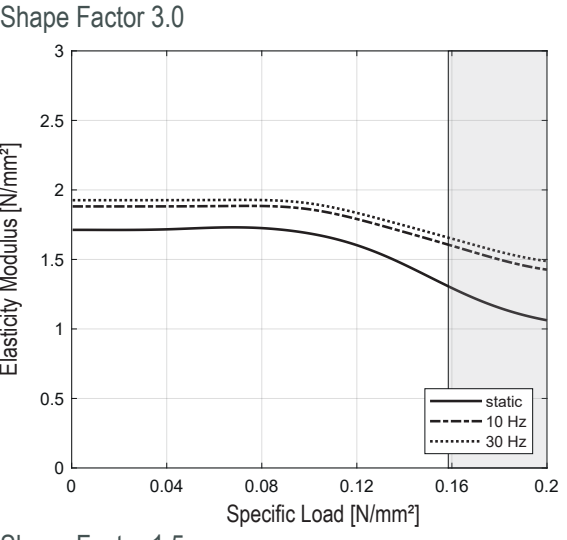
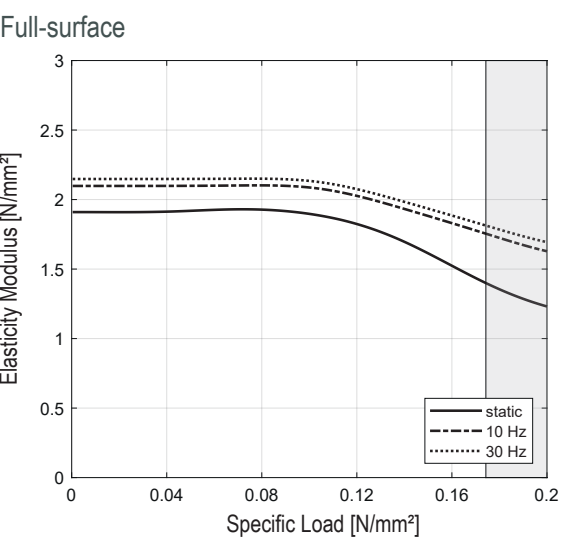


- » B006
- » B008
- » B010
- B018
- » B025
- » B035
- » B045
- » B060
- » B075
- » B100
- » B125
- » B150
- » B300
- » B600
- » B1200

Natural Frequency



Modulus of Elasticity



- » B006
- » B008
- » B010
- B018
- » B025
- » B035
- » B045
- » B060
- » B075
- » B100
- » B125
- » B150
- » B300
- » B600
- » B1200

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Technical Data B025

Nominal Static Load Capacity

Full-surface: 0.21 N/mm²
Shape Factor 3.0: 0.20 N/mm²
Shape Factor 1.5: 0.19 N/mm²

Permissible Horizontal Deformation

~ 30 % of material thickness*

Horizontal Stiffness

~ 25 % of vertical stiffness*

Mechanical Loss Factor

< 0.1 (DIN 53513; depending on frequency, amplitude, preload and temperature)

Operating Temperature

-25 °C to 55 °C

Compression Set

< 5 % (DIN EN ISO 1856; 50 %; 72 h; 23°C)

Flammability

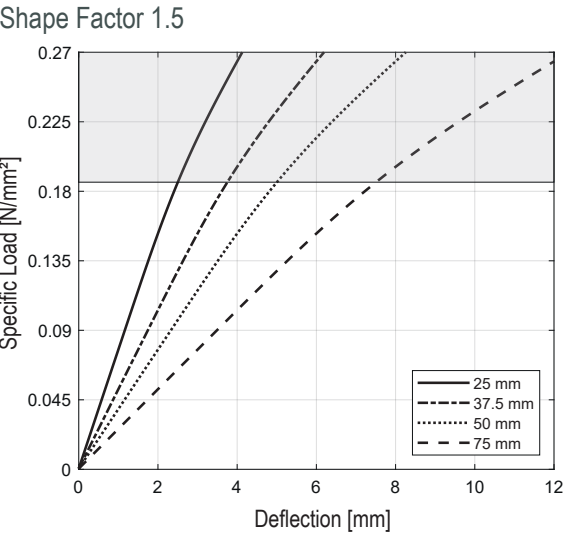
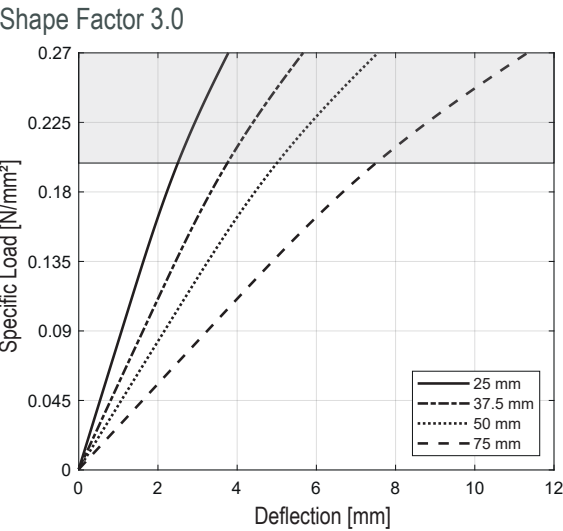
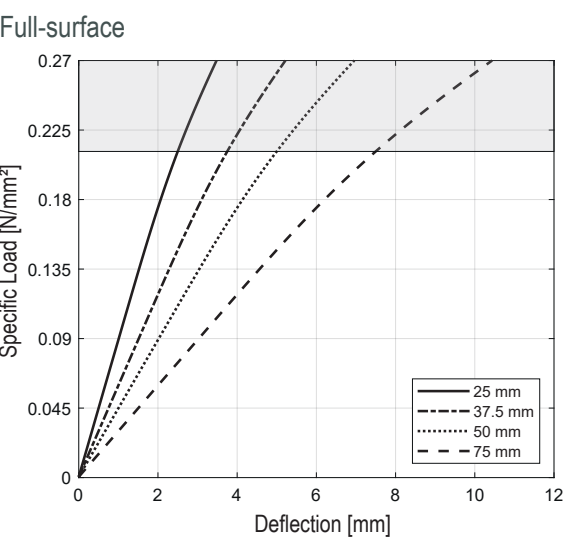
Class E (DIN EN ISO 11925-2)
B2 (DIN 4102-1)

Specific Volume Resistance

> 3 · 10⁸ Ωm (DIN EN 62631-3-1; for dry material)

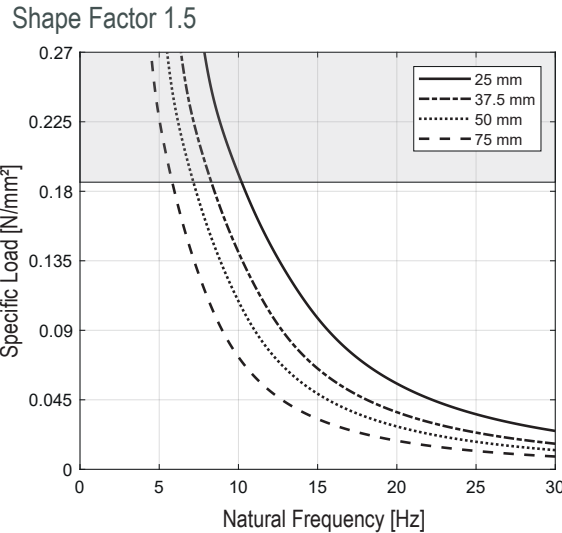
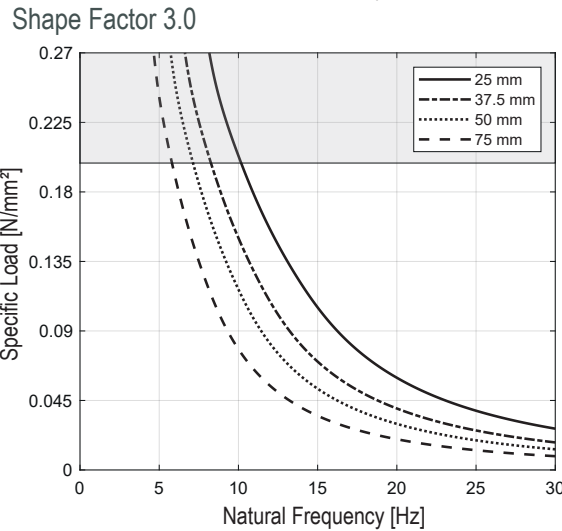
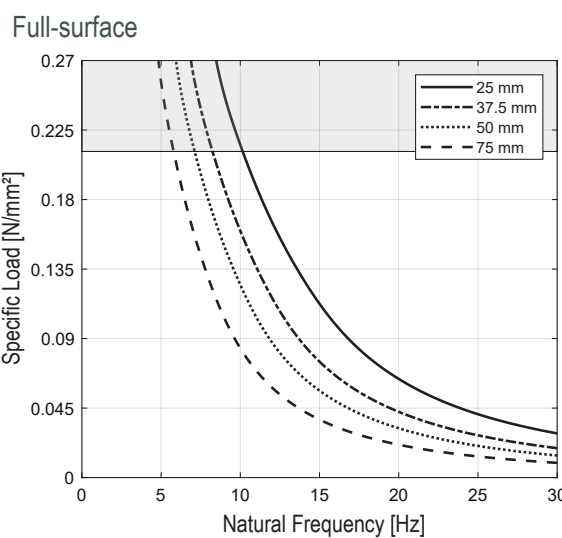
*Design reference value

Load Deflection

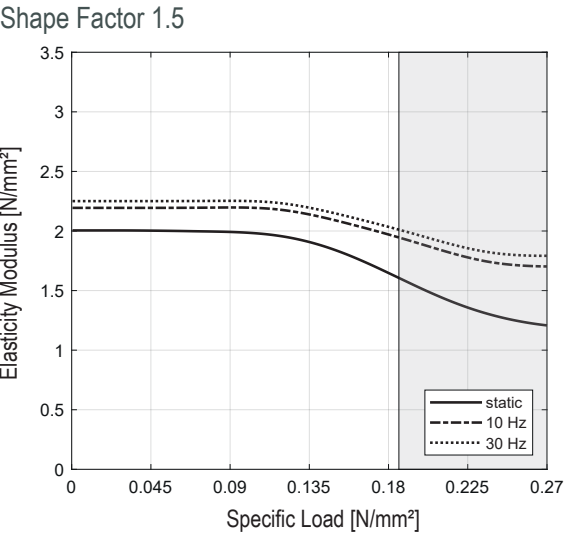
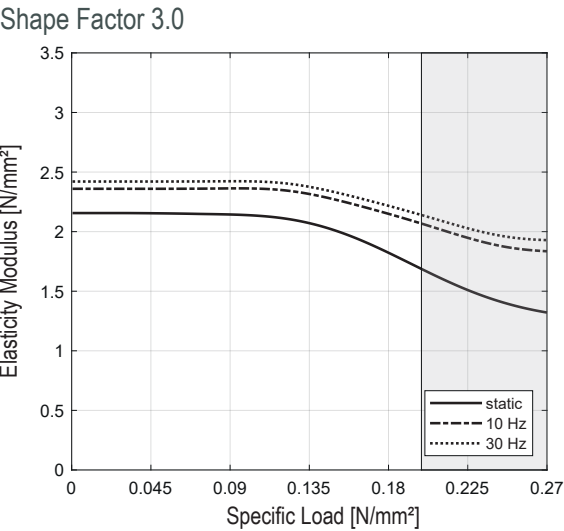
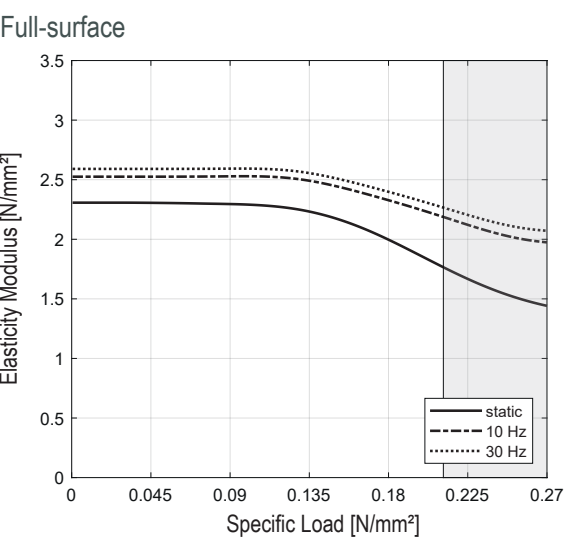


- » B006
- » B008
- » B010
- » B018
- B025
- » B035
- » B045
- » B060
- » B075
- » B100
- » B125
- » B150
- » B300
- » B600
- » B1200

Natural Frequency



Modulus of Elasticity



- » B006
- » B008
- » B010
- » B018
- B025
- » B035
- » B045
- » B060
- » B075
- » B100
- » B125
- » B150
- » B300
- » B600
- » B1200

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Technical Data B035

Nominal Static Load Capacity

Full-surface: 0.29 N/mm²
Shape Factor 3.0: 0.27 N/mm²
Shape Factor 1.5: 0.24 N/mm²

Permissible Horizontal Deformation

~ 30 % of material thickness*

Horizontal Stiffness

~ 25 % of vertical stiffness*

Mechanical Loss Factor

< 0.1 (DIN 53513; depending on frequency, amplitude, preload and temperature)

Operating Temperature

-25 °C to 55 °C

Compression Set

< 5 % (DIN EN ISO 1856; 50 %; 72 h; 23°C)

Flammability

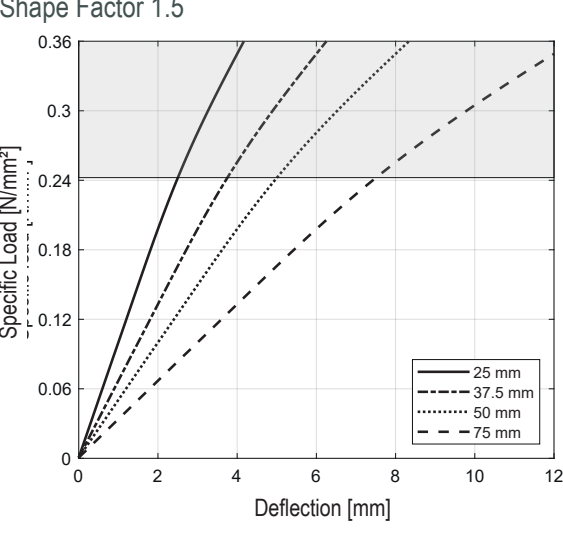
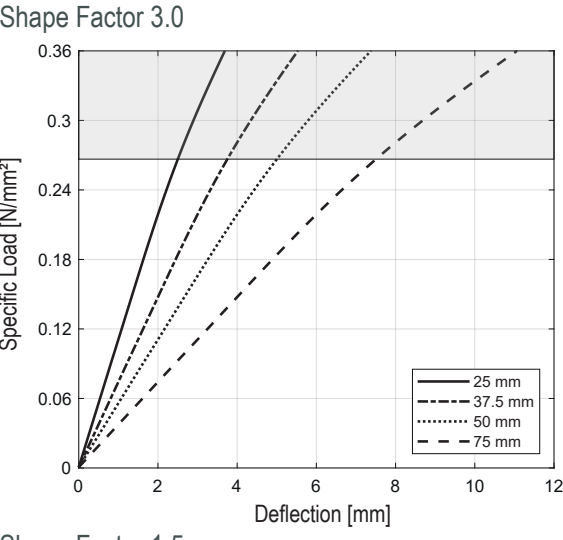
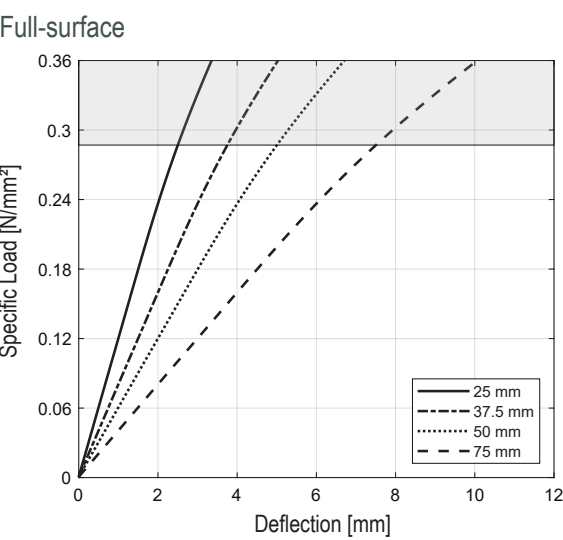
Class E (DIN EN ISO 11925-2)
B2 (DIN 4102-1)

Specific Volume Resistance

> 2 · 10⁸ Ωm (DIN EN 62631-3-1; for dry material)

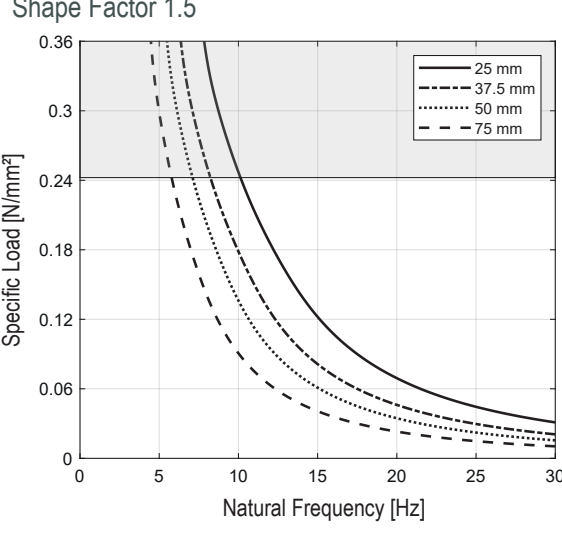
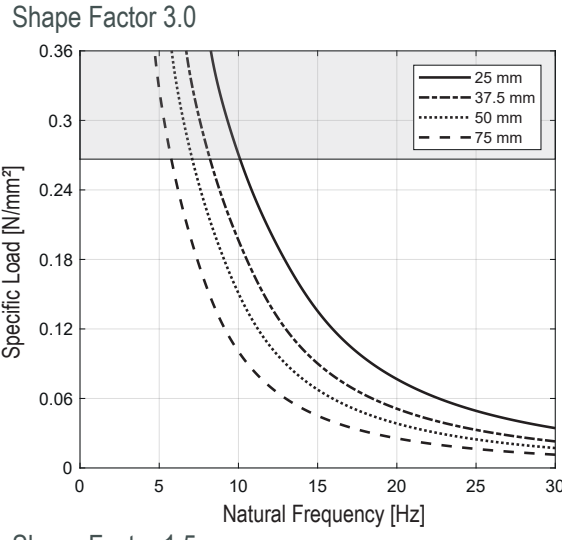
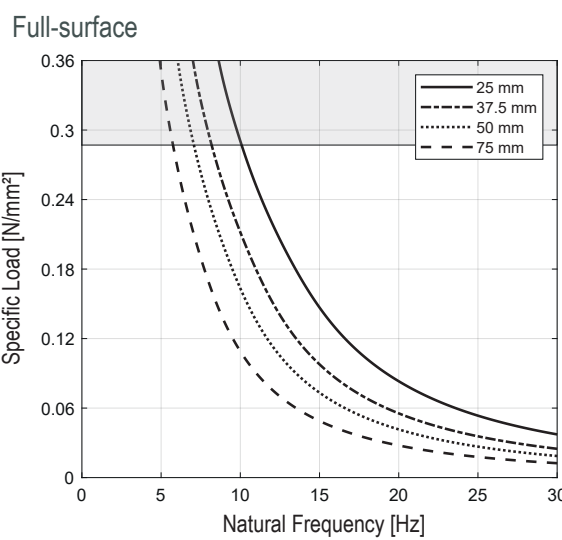
*Design reference value

Load Deflection

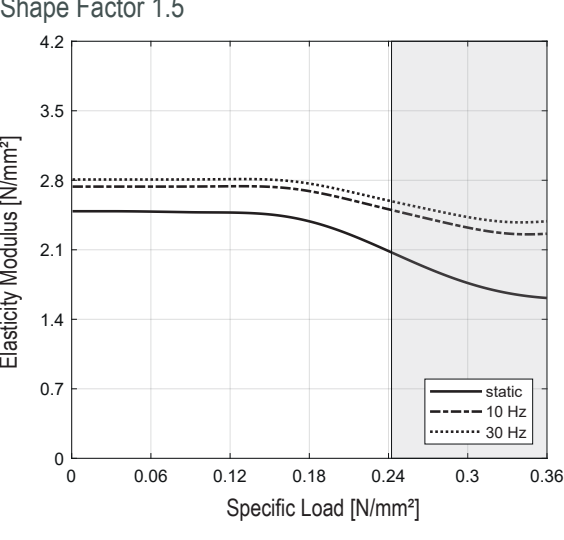
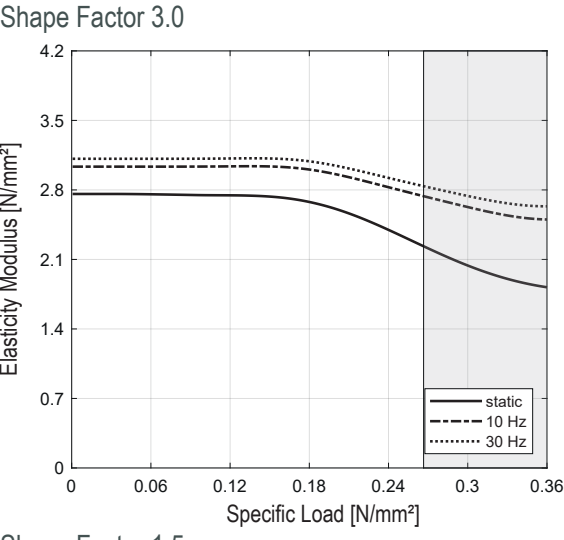
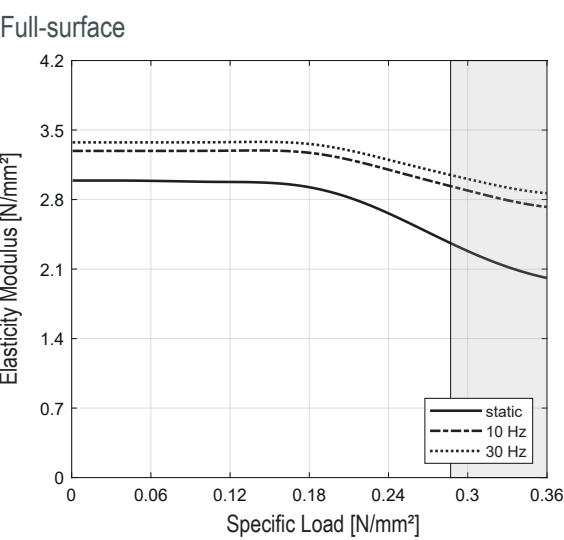


- » B006
- » B008
- » B010
- » B018
- » B025
- B035
- » B045
- » B060
- » B075
- » B100
- » B125
- » B150
- » B300
- » B600
- » B1200

Natural Frequency



Modulus of Elasticity



- » B006
- » B008
- » B010
- » B018
- » B025
- B035
- » B045
- » B060
- » B075
- » B100
- » B125
- » B150
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- » B1200

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Technical Data B045

Nominal Static Load Capacity

Full-surface: 0.34 N/mm²
Shape Factor 3.0: 0.31 N/mm²
Shape Factor 1.5: 0.28 N/mm²

Permissible Horizontal Deformation

~ 25 % of material thickness*

Horizontal Stiffness

~ 20 % of vertical stiffness*

Mechanical Loss Factor

< 0.1 (DIN 53513; depending on frequency, amplitude, preload and temperature)

Operating Temperature

-25 °C to 55 °C

Compression Set

< 5 % (DIN EN ISO 1856; 50 %; 72 h; 23°C)

Flammability

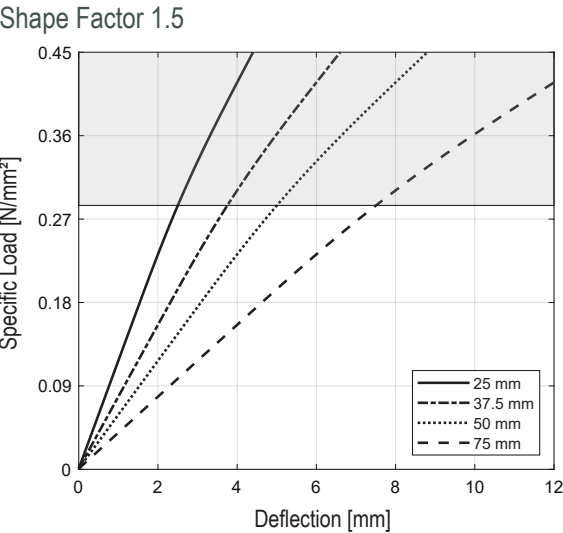
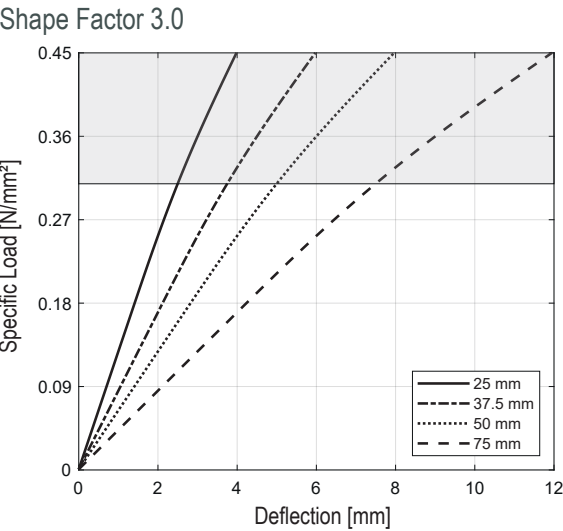
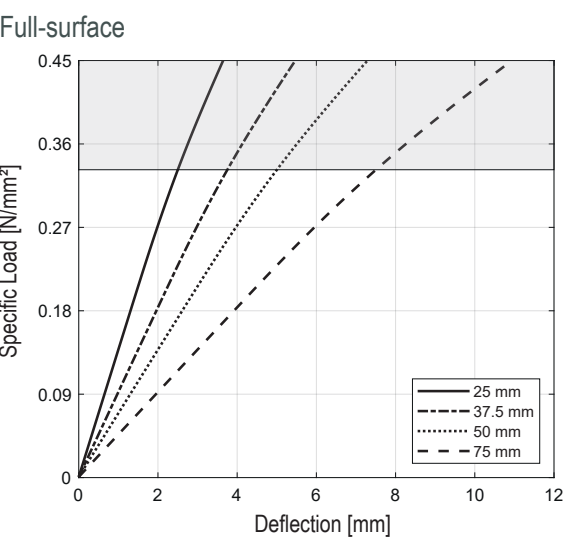
Class E (DIN EN ISO 11925-2)
B2 (DIN 4102-1)

Specific Volume Resistance

> 10⁸ Ωm (DIN EN 62631-3-1; for dry material)

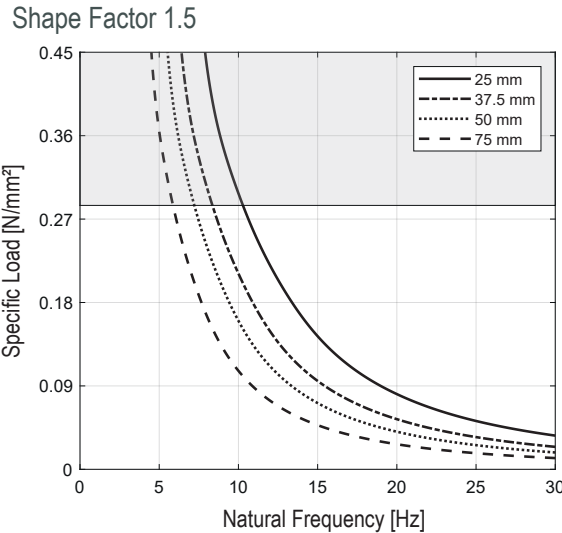
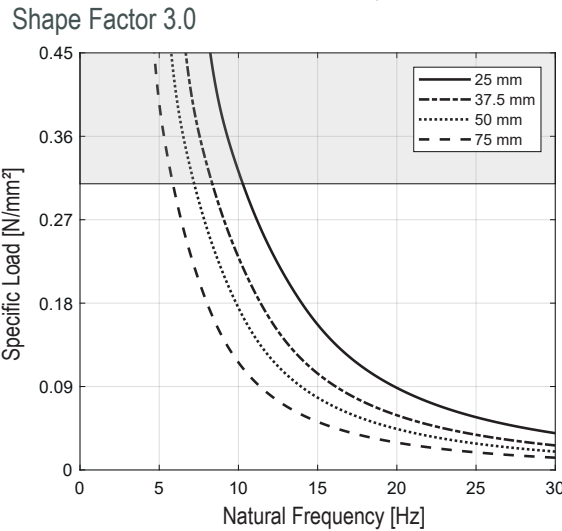
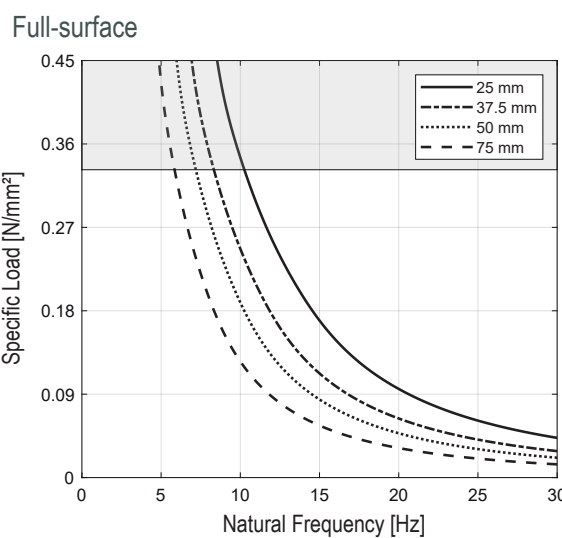
*Design reference value

Load Deflection

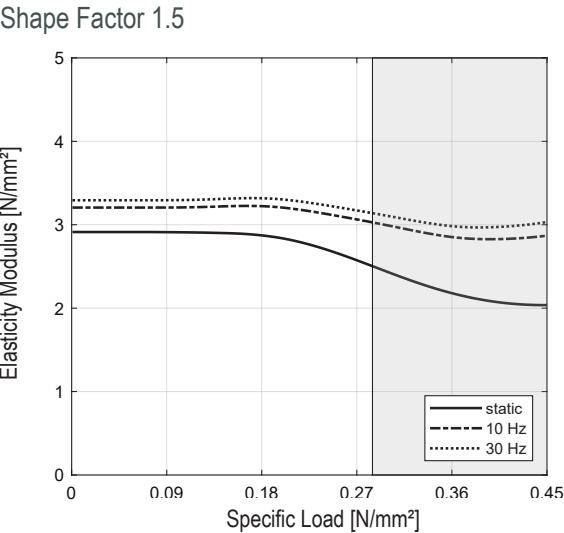
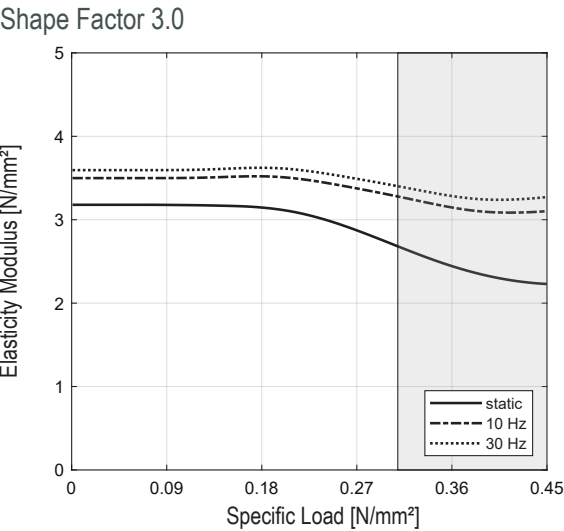
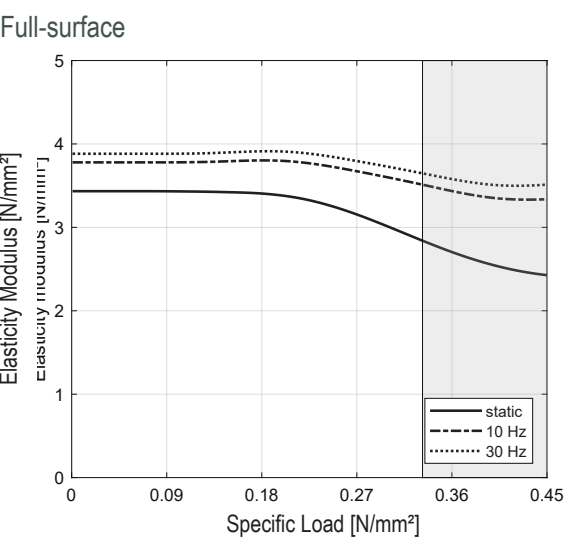


- » B006
- » B008
- » B010
- » B018
- » B025
- » B035
- B045
- » B060
- » B075
- » B100
- » B125
- » B150
- » B300
- » B600
- » B1200

Natural Frequency



Modulus of Elasticity



- » B006
- » B008
- » B010
- » B018
- » B025
- » B035
- B045
- » B060
- » B075
- » B100
- » B125
- » B150
- » B300
- » B600
- » B1200

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Technical Data B060

Nominal Static Load Capacity

Full-surface: 0.44 N/mm²
Shape Factor 3.0: 0.40 N/mm²
Shape Factor 1.5: 0.37 N/mm²

Permissible Horizontal Deformation

~ 25 % of material thickness*

Horizontal Stiffness

~ 20 % of vertical stiffness*

Mechanical Loss Factor

< 0.1 (DIN 53513; depending on frequency, amplitude, preload and temperature)

Operating Temperature

-25 °C to 55 °C

Compression Set

< 5 % (DIN EN ISO 1856; 50 %; 72 h; 23°C)

Flammability

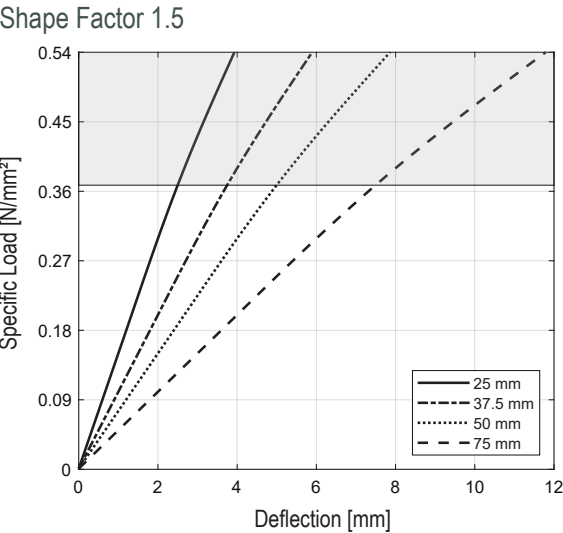
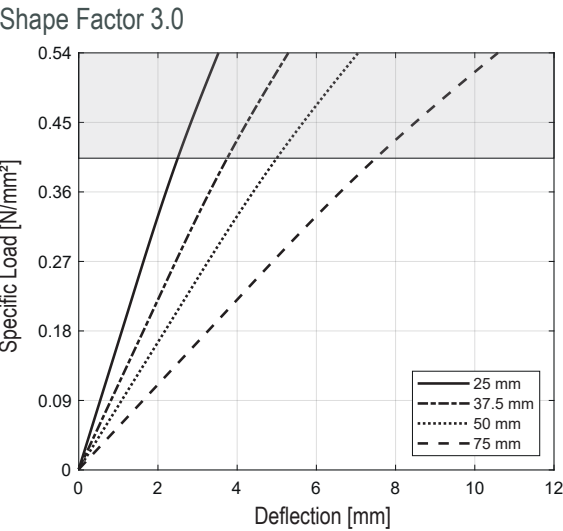
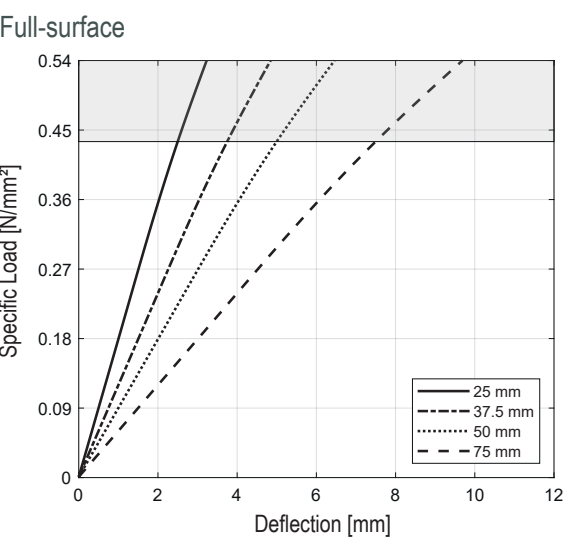
Class E (DIN EN ISO 11925-2)
B2 (DIN 4102-1)

Specific Volume Resistance

> 10⁸ Ωm (DIN EN 62631-3-1; for dry material)

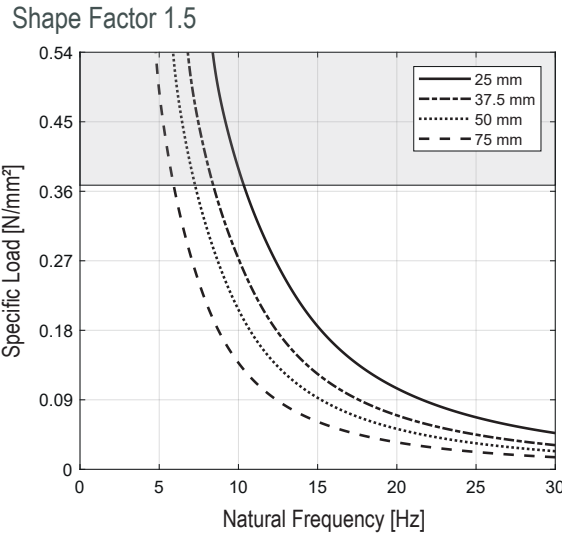
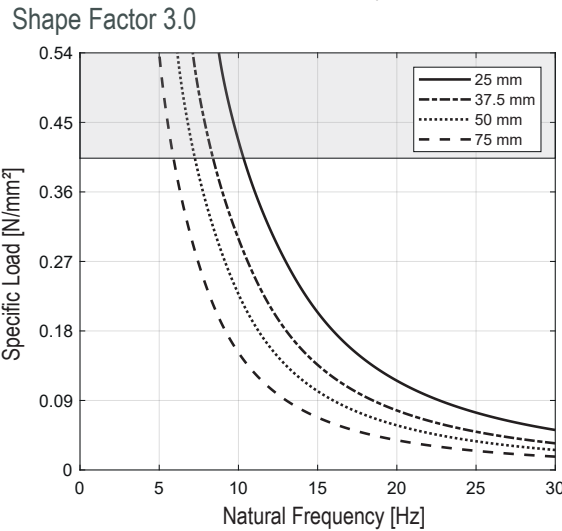
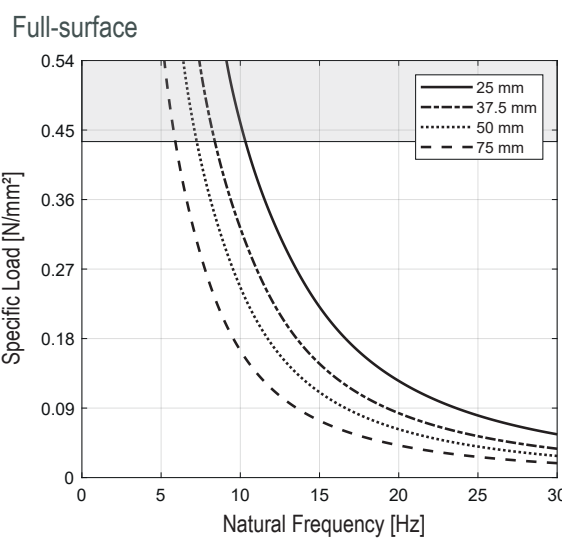
*Design reference value

Load Deflection

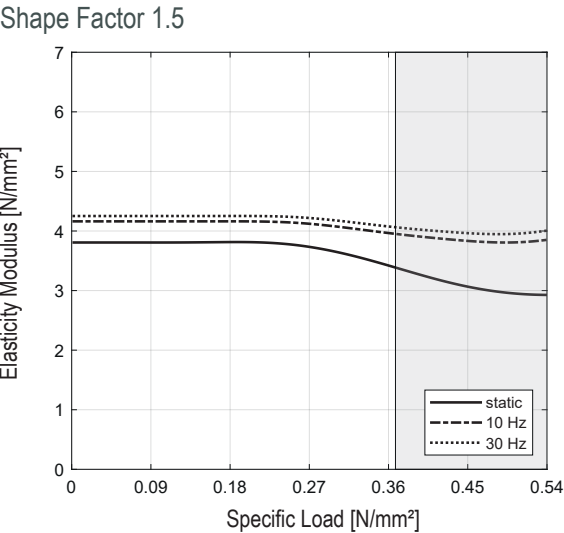
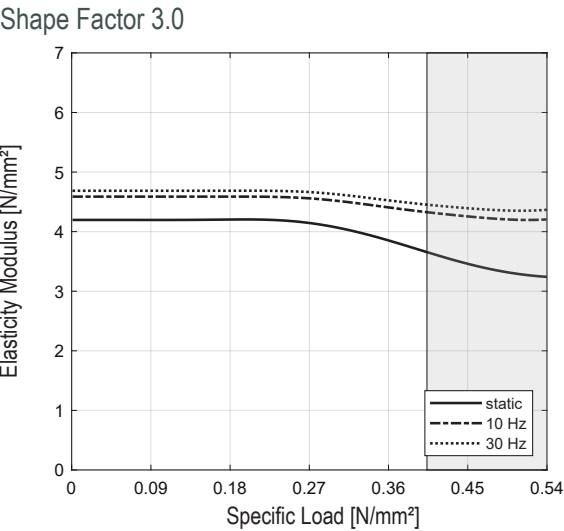
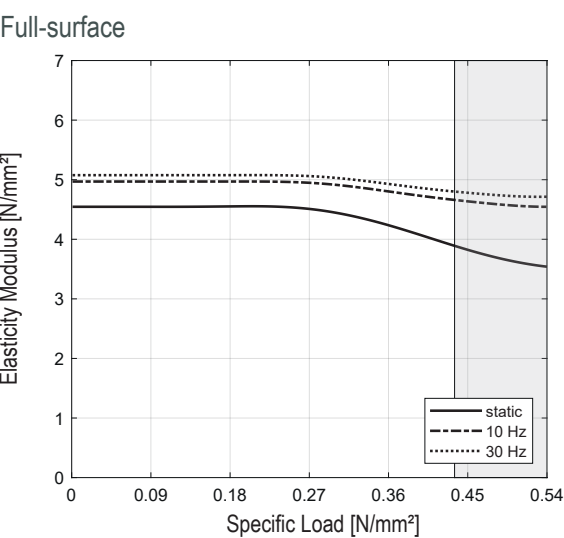


- » B006
- » B008
- » B010
- » B018
- » B025
- » B035
- » B045
- B060**
- » B075
- » B100
- » B125
- » B150
- » B300
- » B600
- » B1200

Natural Frequency



Modulus of Elasticity



- » B006
- » B008
- » B010
- » B018
- » B025
- » B035
- » B045
- B060**
- » B075
- » B100
- » B125
- » B150
- » B300
- » B600
- » B1200

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Technical Data B075

Nominal Static Load Capacity

Full-surface: 0.60 N/mm²
Shape Factor 3.0: 0.51 N/mm²
Shape Factor 1.5: 0.44 N/mm²

Permissible Horizontal Deformation

~ 25 % of material thickness*

Horizontal Stiffness

~ 20 % of vertical stiffness*

Mechanical Loss Factor

< 0.1 (DIN 53513; depending on frequency, amplitude, preload and temperature)

Operating Temperature

-25 °C to 55 °C

Compression Set

< 5 % (DIN EN ISO 1856; 50 %; 72 h; 23°C)

Flammability

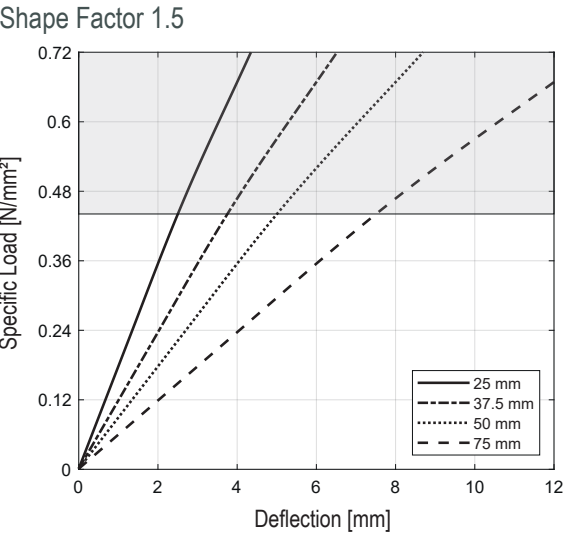
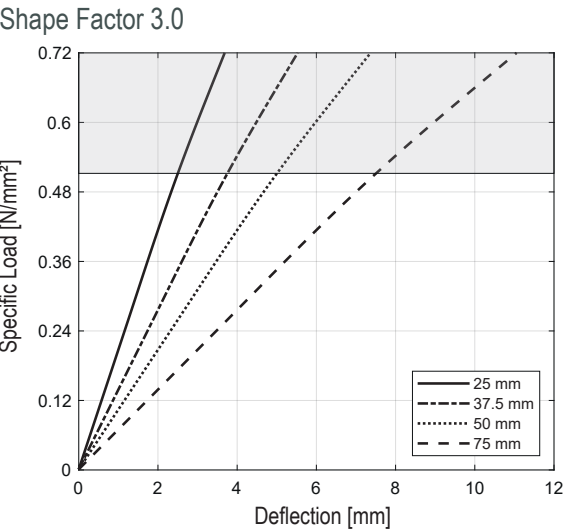
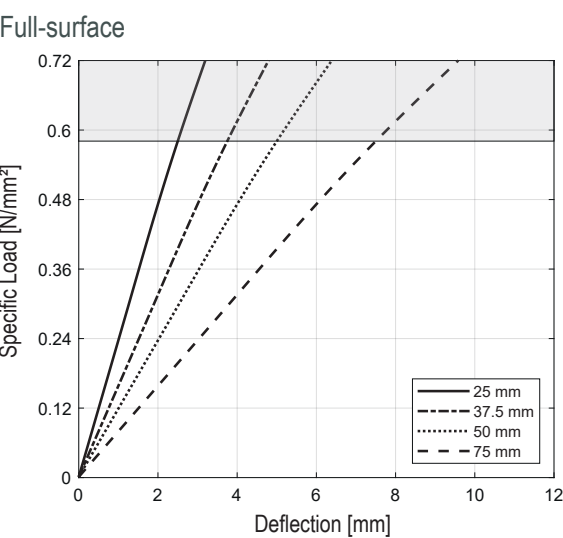
Class E (DIN EN ISO 11925-2)
B2 (DIN 4102-1)

Specific Volume Resistance

> 10⁸ Ωm (DIN EN 62631-3-1; for dry material)

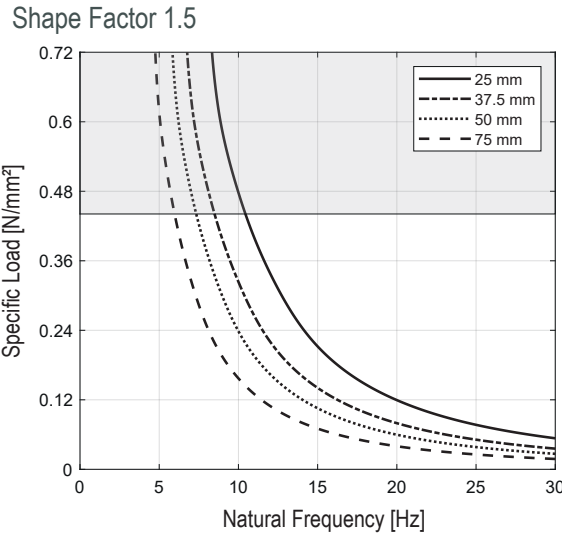
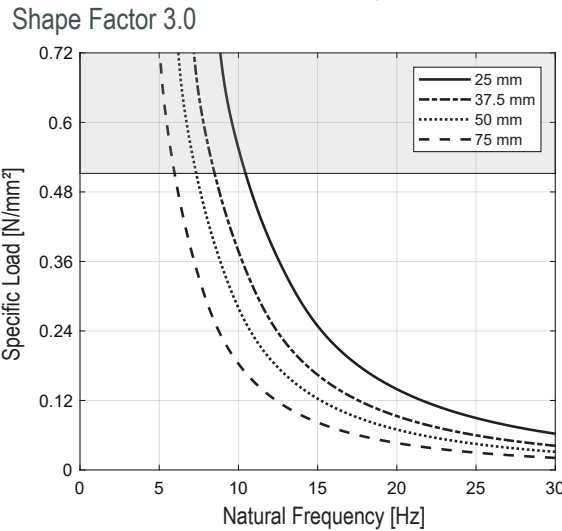
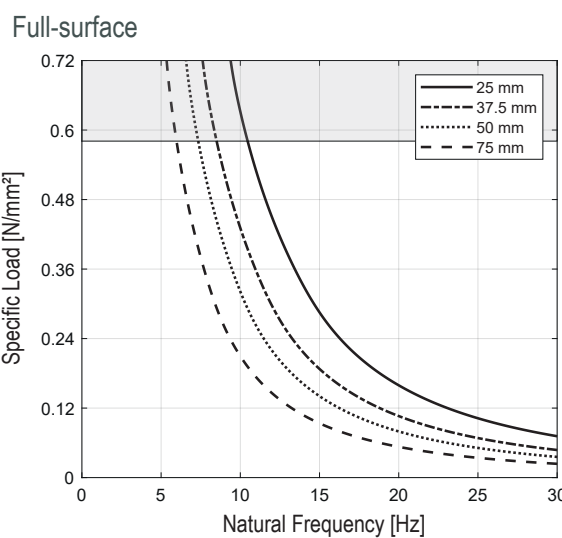
*Design reference value

Load Deflection

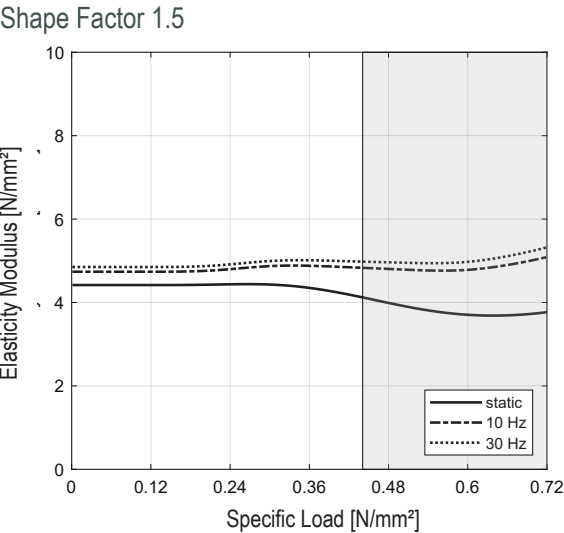
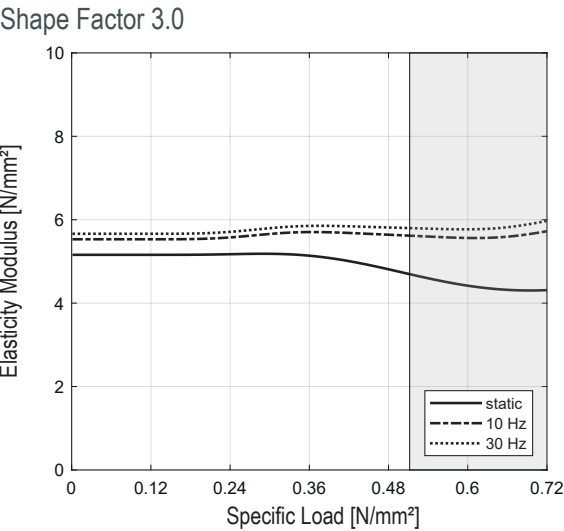
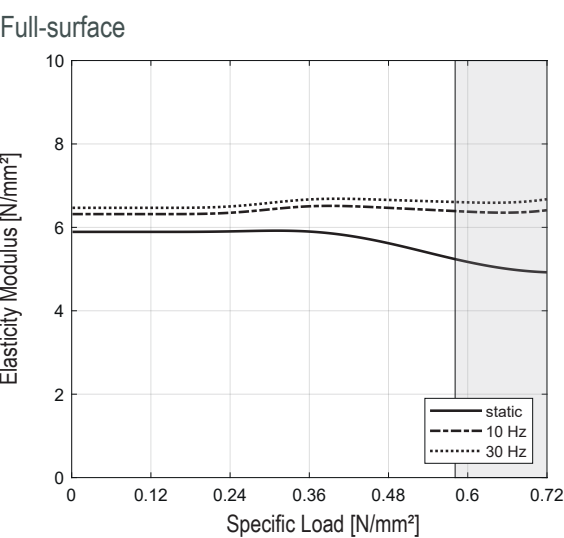


- » B006
- » B008
- » B010
- » B018
- » B025
- » B035
- » B045
- » B060
- B075
- » B100
- » B125
- » B150
- » B300
- » B600
- » B1200

Natural Frequency



Modulus of Elasticity



- » B006
- » B008
- » B010
- » B018
- » B025
- » B035
- » B045
- » B060
- B075
- » B100
- » B125
- » B150
- » B300
- » B600
- » B1200

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Technical Data B100

Nominal Static Load Capacity

Full-surface: 0.81 N/mm²
Shape Factor 3.0: 0.70 N/mm²
Shape Factor 1.5: 0.59 N/mm²

Permissible Horizontal Deformation

~ 20 % of material thickness*

Horizontal Stiffness

~ 15 % of vertical stiffness*

Mechanical Loss Factor

< 0.1 (DIN 53513; depending on frequency, amplitude, preload and temperature)

Operating Temperature

-25 °C to 55 °C

Compression Set

< 5 % (DIN EN ISO 1856; 25 %; 72 h; 23°C)

Flammability

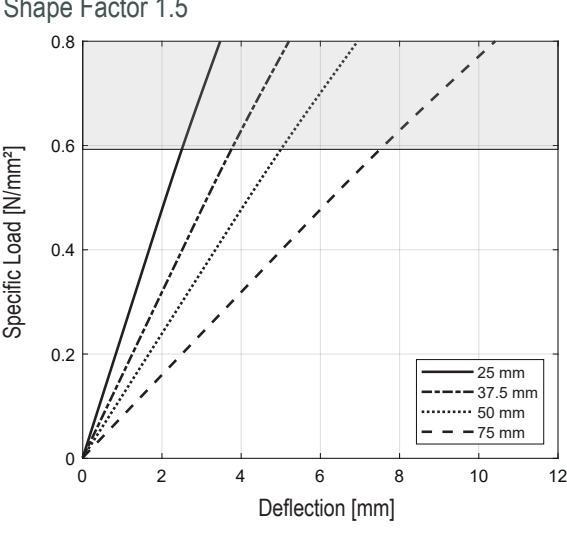
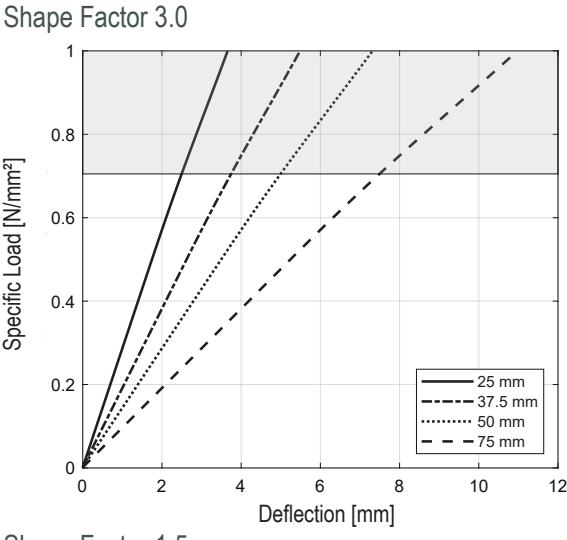
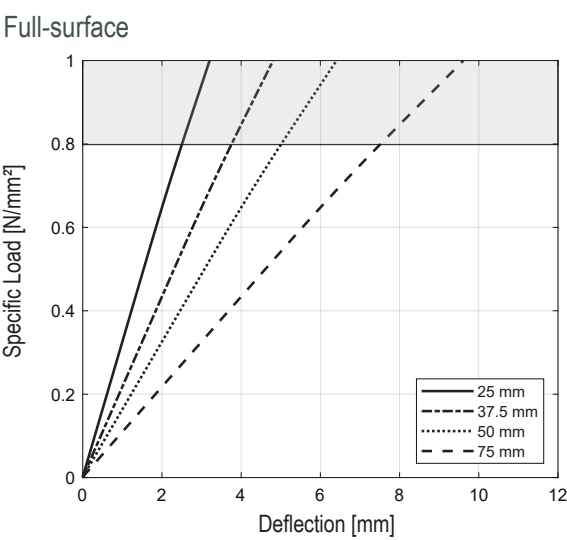
Class E (DIN EN ISO 11925-2)
B2 (DIN 4102-1)

Specific Volume Resistance

> 10⁸ Ωm (DIN EN 62631-3-1; for dry material)

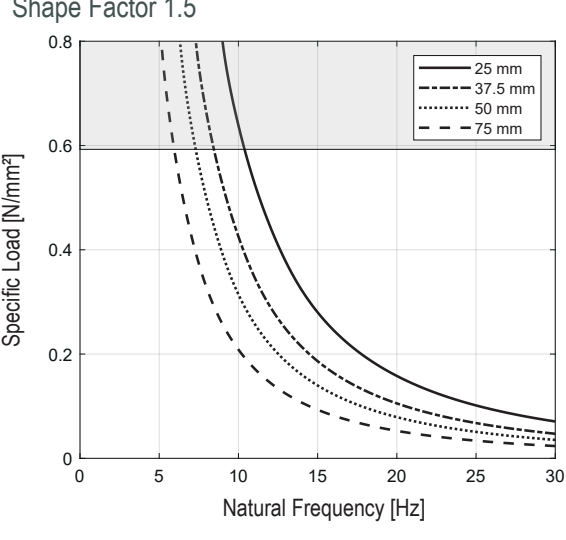
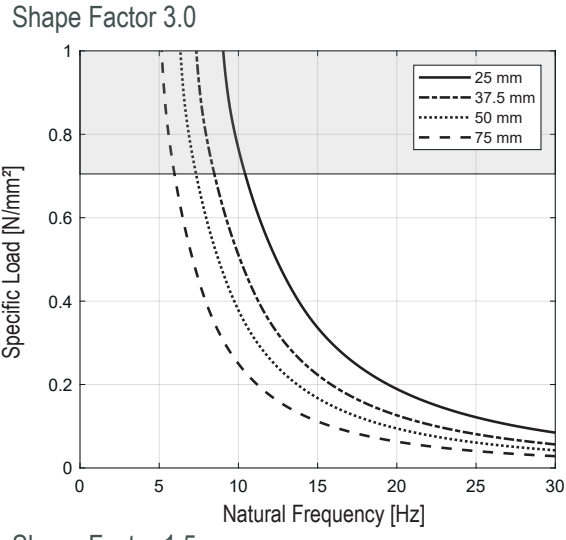
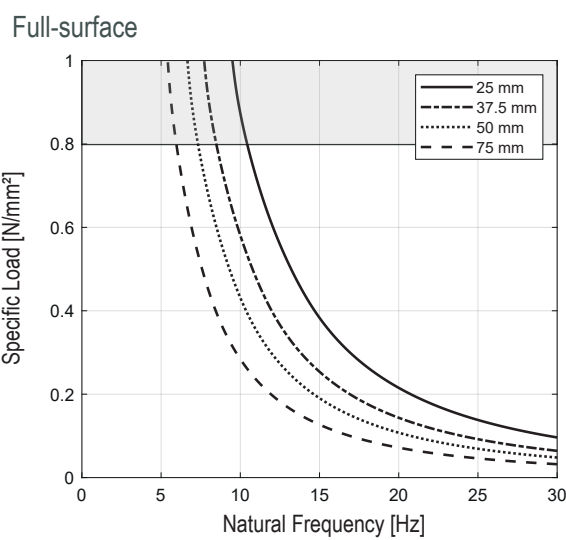
*Design reference value

Load Deflection

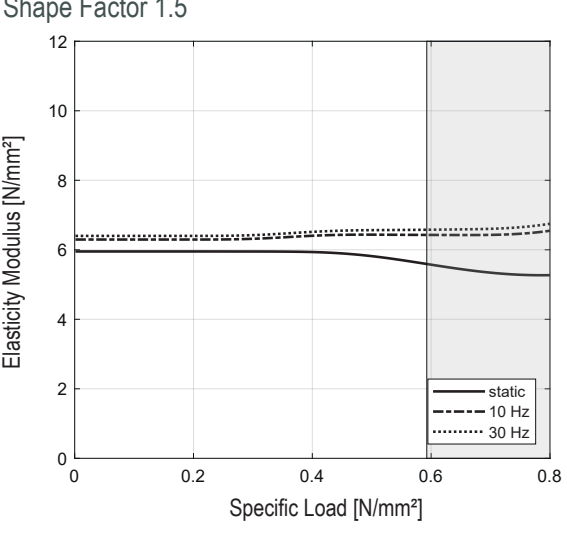
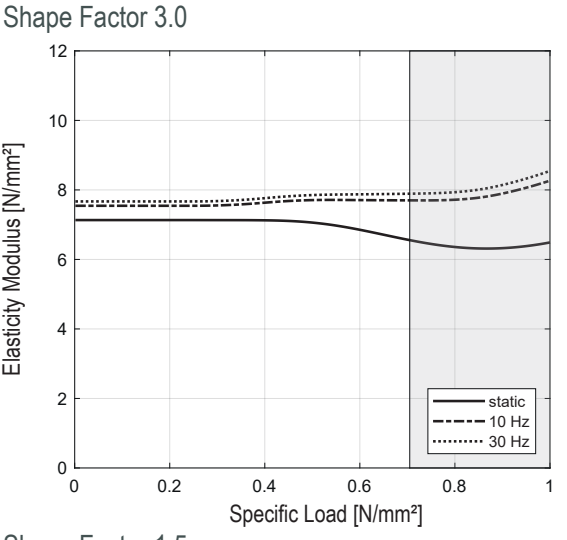
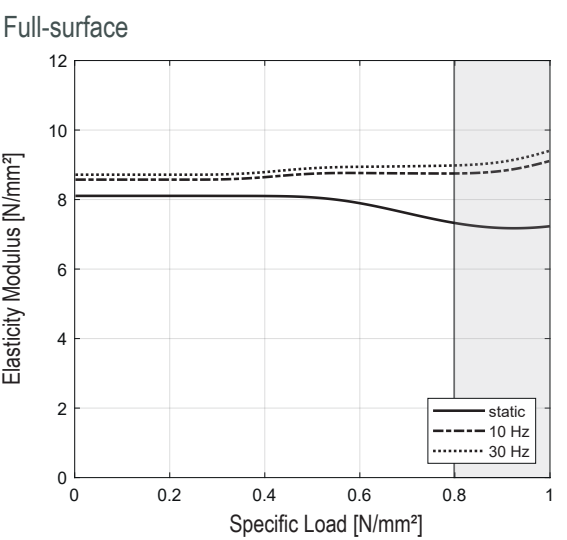


- » B006
- » B008
- » B010
- » B018
- » B025
- » B035
- » B045
- » B060
- » B075
- B100
- » B125
- » B150
- » B300
- » B600
- » B1200

Natural Frequency



Modulus of Elasticity



- » B006
- » B008
- » B010
- » B018
- » B025
- » B035
- » B045
- » B060
- » B075
- B100
- » B125
- » B150
- » B300
- » B600
- » B1200

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Technical Data B125

Nominal Static Load Capacity

Full-surface: 1.1 N/mm²
Shape Factor 3.0: 0.98 N/mm²
Shape Factor 1.5: 0.82 N/mm²

Permissible Horizontal Deformation

~ 20 % of material thickness*

Horizontal Stiffness

~ 15 % of vertical stiffness*

Mechanical Loss Factor

< 0.1 (DIN 53513; depending on frequency, amplitude, preload and temperature)

Operating Temperature

-25 °C to 55 °C

Compression Set

< 5 % (DIN EN ISO 1856; 50 %; 72 h; 23°C)

Flammability

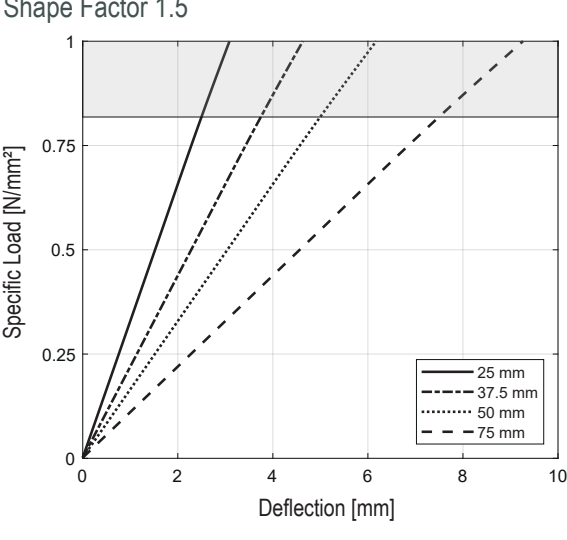
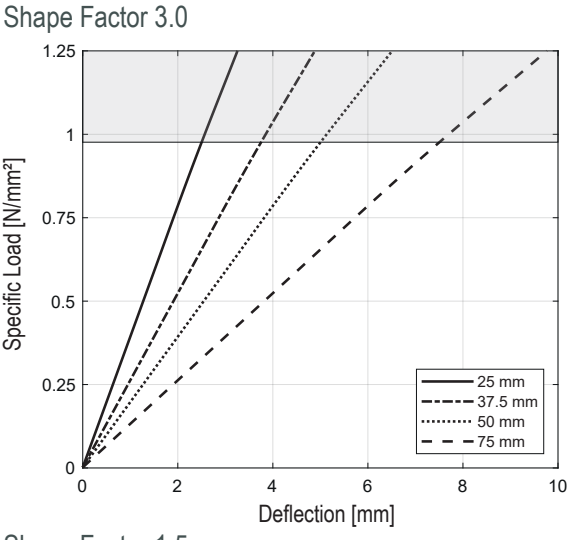
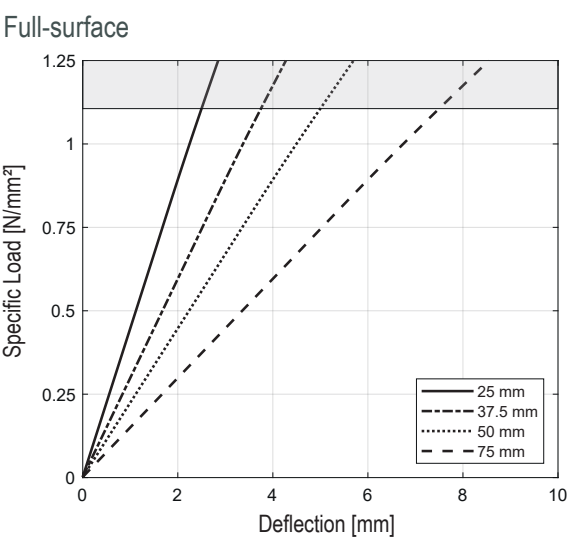
Class E (DIN EN ISO 11925-2)
B2 (DIN 4102-1)

Specific Volume Resistance

> 10⁸ Ωm (DIN EN 62631-3-1; for dry material)

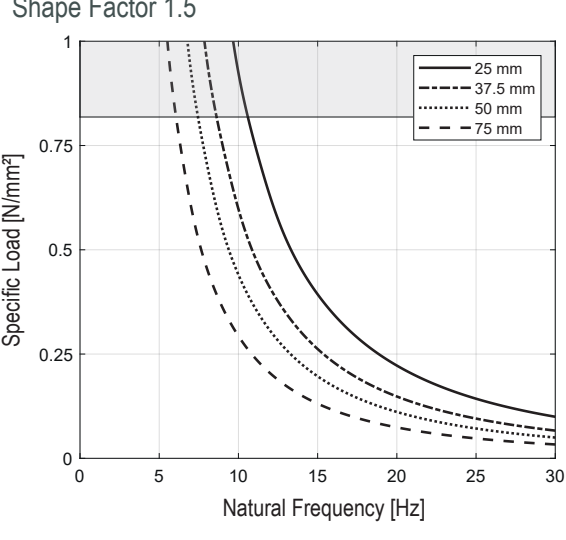
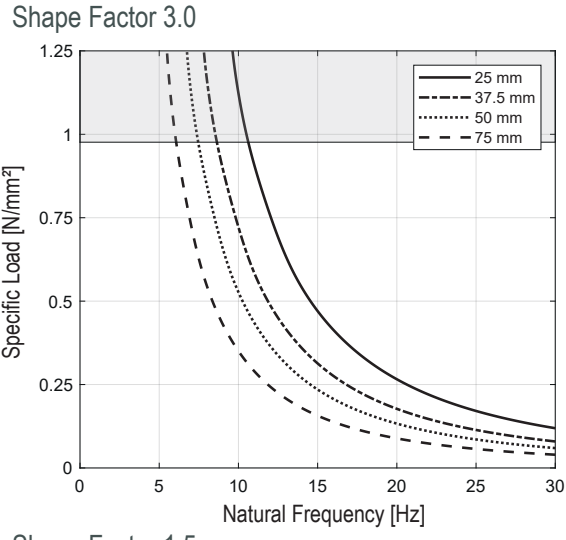
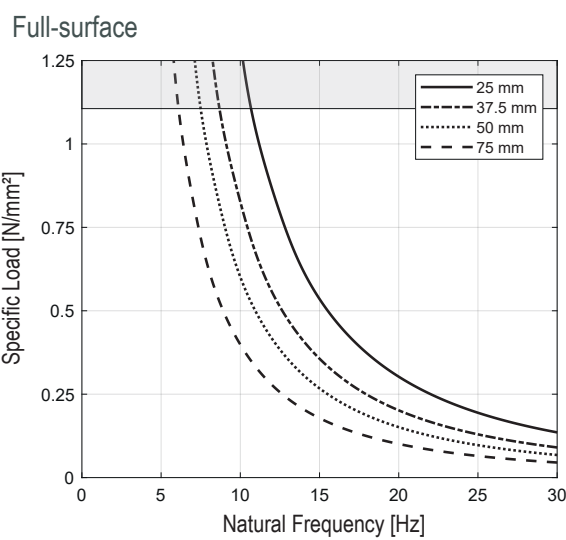
*Design reference value

Load Deflection

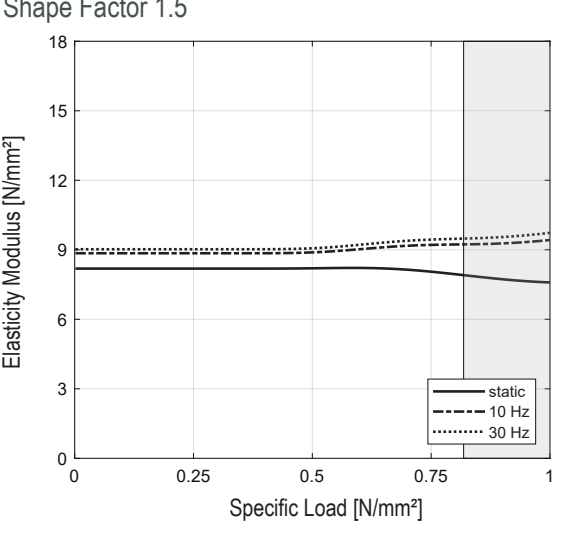
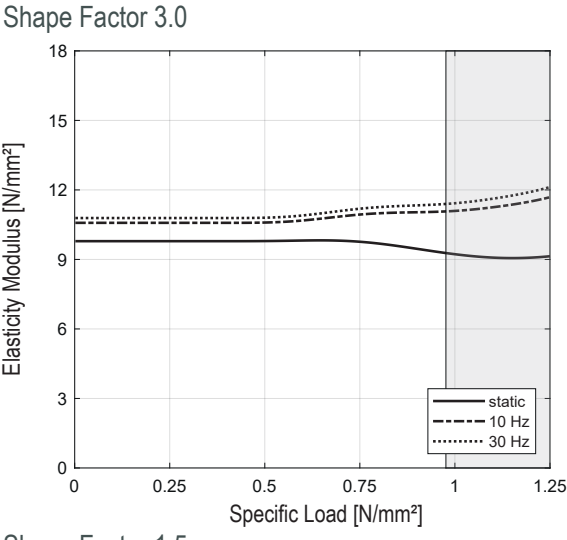
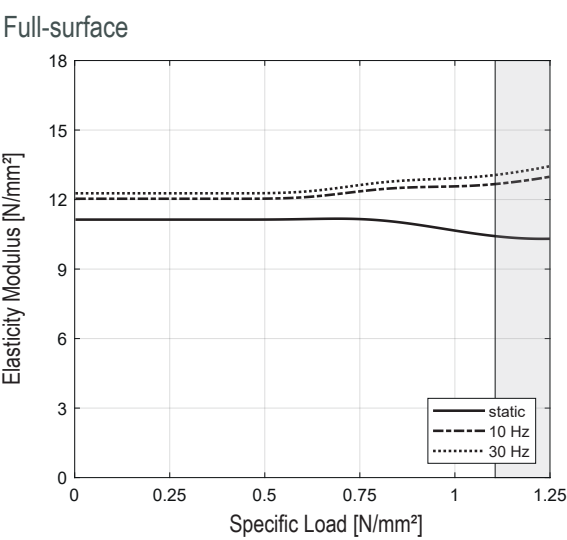


- » B006
- » B008
- » B010
- » B018
- » B025
- » B035
- » B045
- » B060
- » B075
- » B100
- B125
- » B150
- » B300
- » B600
- » B1200

Natural Frequency



Modulus of Elasticity



- » B006
- » B008
- » B010
- » B018
- » B025
- » B035
- » B045
- » B060
- » B075
- » B100
- B125
- » B150
- » B300
- » B600
- » B1200

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Technical Data B150

Nominal Static Load Capacity

Full-surface: 1.7 N/mm²
Shape Factor 3.0: 1.4 N/mm²
Shape Factor 1.5: 1.1 N/mm²

Permissible Horizontal Deformation

~ 20 % of material thickness*

Horizontal Stiffness

~ 15 % of vertical stiffness*

Mechanical Loss Factor

< 0.1 (DIN 53513; depending on frequency, amplitude, preload and temperature)

Operating Temperature

-25 °C to 55 °C

Compression Set

< 5 % (DIN EN ISO 1856; 50 %; 72 h; 23°C)

Flammability

Class E (DIN EN ISO 11925-2)
B2 (DIN 4102-1)

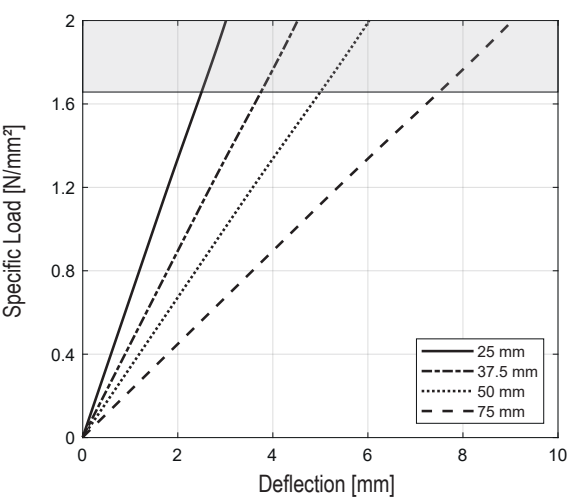
Specific Volume Resistance

> 10⁸ Ωm (DIN EN 62631-3-1; for dry material)

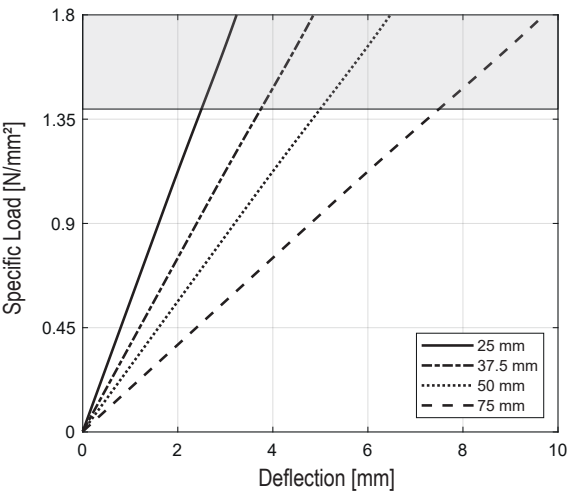
*Design reference value

Load Deflection

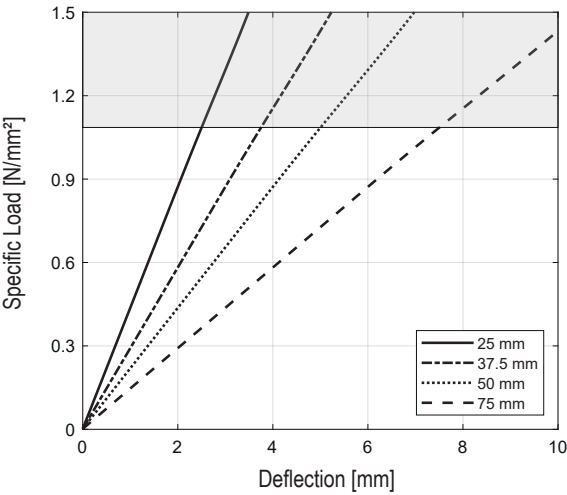
Full-surface



Shape Factor 3.0



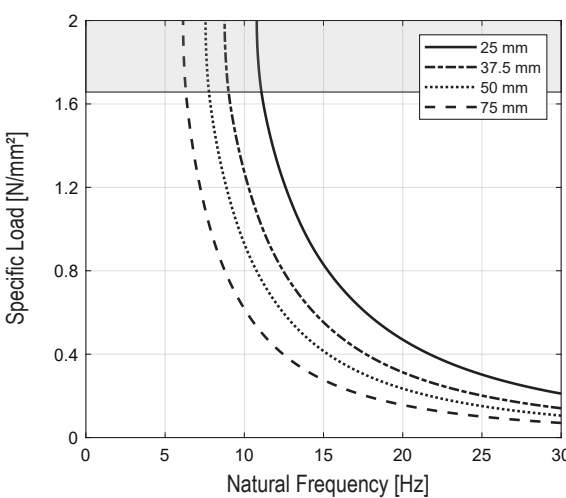
Shape Factor 1.5



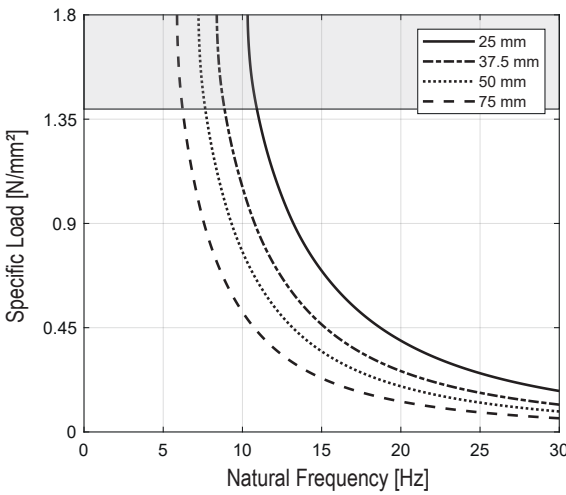
- » B006
- » B008
- » B010
- » B018
- » B025
- » B035
- » B045
- » B060
- » B075
- » B100
- » B125
- B150
- » B300
- » B600
- » B1200

Natural Frequency

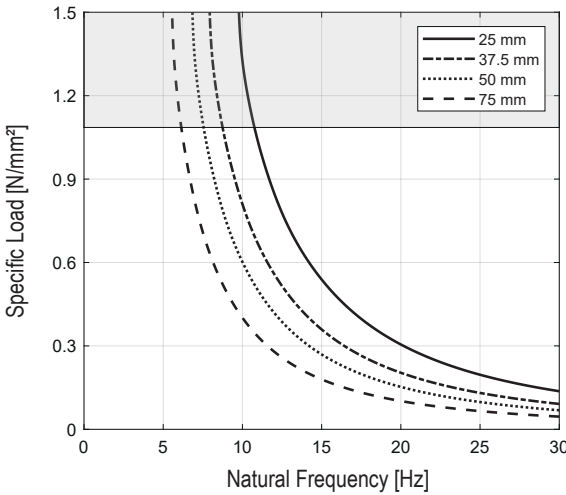
Full-surface



Shape Factor 3.0

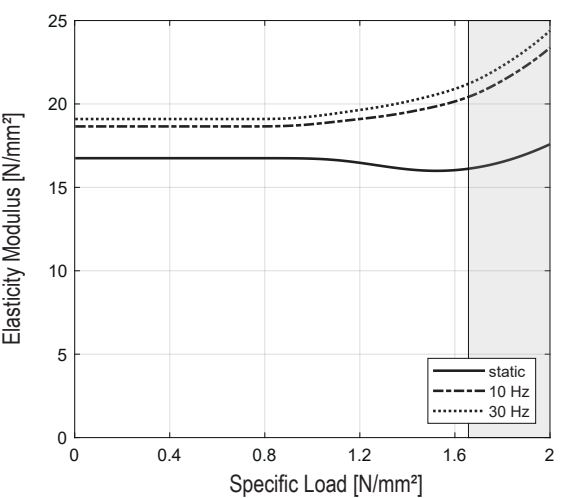


Shape Factor 1.5

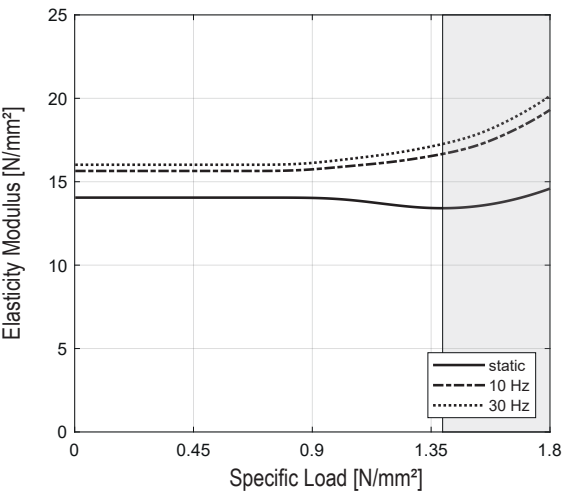


Modulus of Elasticity

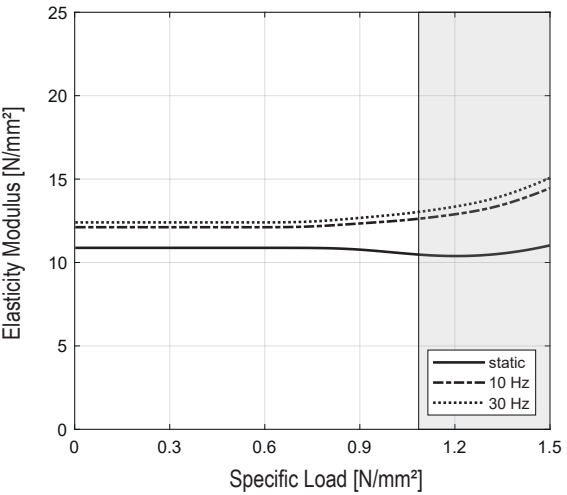
Full-surface



Shape Factor 3.0



Shape Factor 1.5



- » B006
- » B008
- » B010
- » B018
- » B025
- » B035
- » B045
- » B060
- » B075
- » B100
- » B125
- B150
- » B300
- » B600
- » B1200

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Technical Data B300

Nominal Static Load Capacity

Shape Factor 6.0: 3.6 N/mm²
Shape Factor 3.0: 3.0 N/mm²
Shape Factor 1.5: 2.4 N/mm²

Permissible Horizontal Deformation

~ 15 % of material thickness*

Horizontal Stiffness

~ 10 % of vertical stiffness*

Mechanical Loss Factor

< 0.1 (DIN 53513; depending on frequency, amplitude, preload and temperature)

Operating Temperature

-25 °C to 55 °C

Compression Set

< 5 % (DIN EN ISO 1856; 25 %; 72 h; 23°C)

Flammability

Class E (DIN EN ISO 11925-2)
B2 (DIN 4102-1)

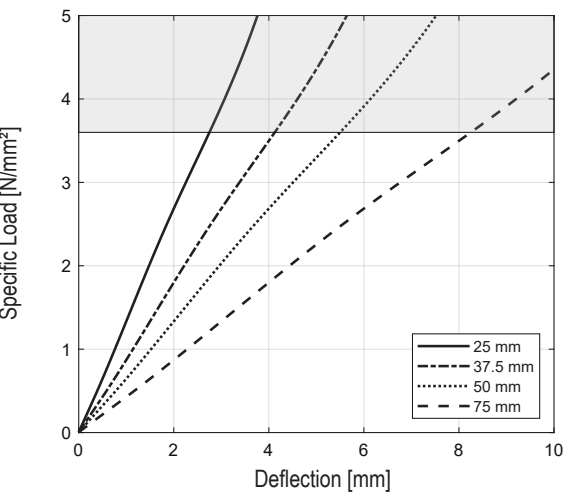
Specific Volume Resistance

> 4 · 10⁸ Ωm (DIN EN 62631-3-1; for dry material)

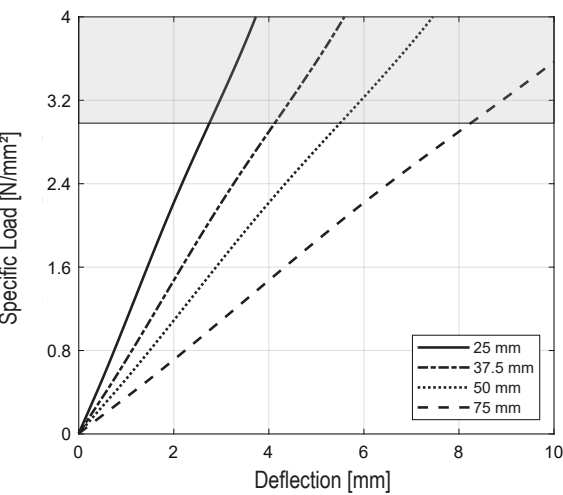
*Design reference value

Load Deflection

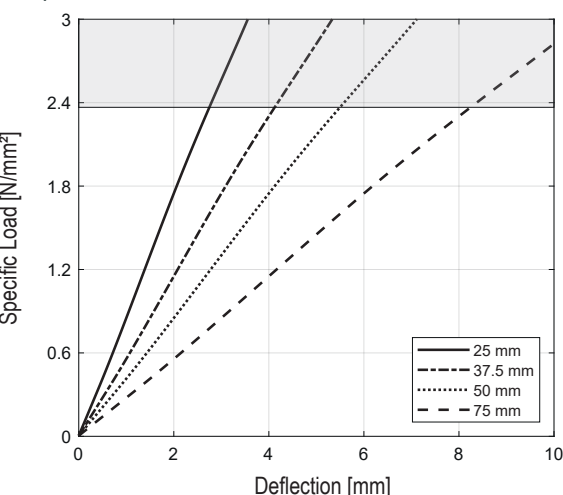
Shape Factor 6.0



Shape Factor 3.0



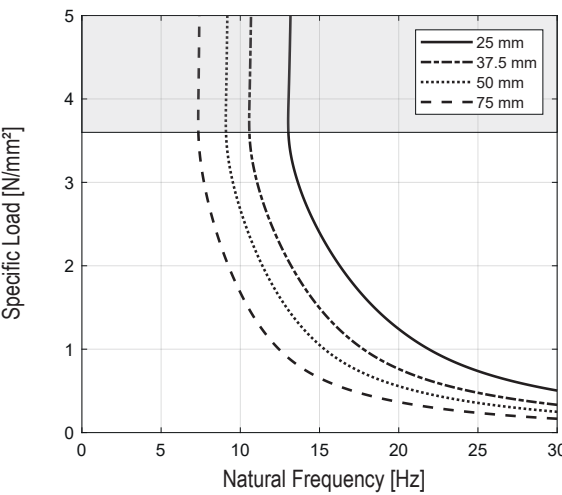
Shape Factor 1.5



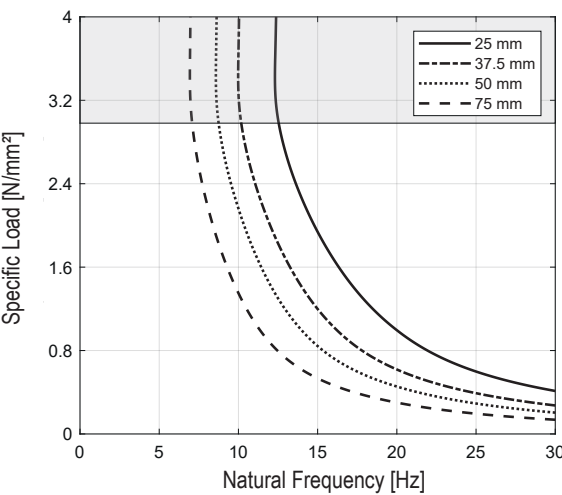
- » B006
- » B008
- » B010
- » B018
- » B025
- » B035
- » B045
- » B060
- » B075
- » B100
- » B125
- » B150
- B300
- » B600
- » B1200

Natural Frequency

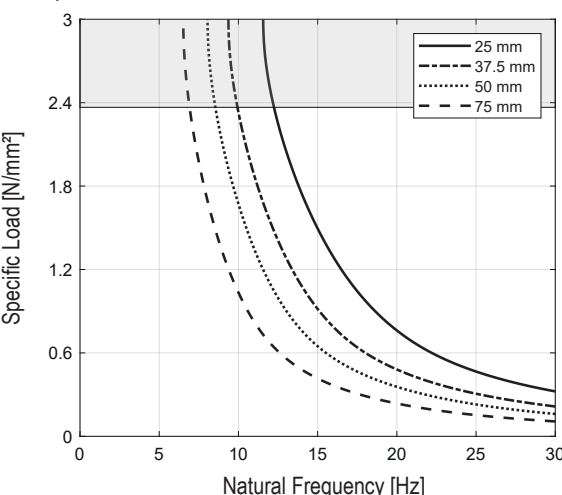
Shape Factor 6.0



Shape Factor 3.0

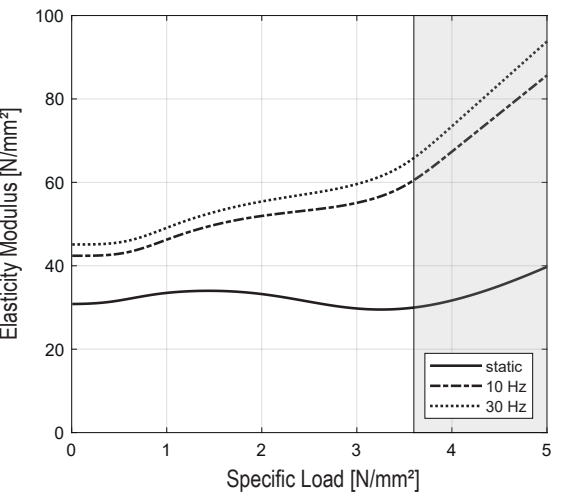


Shape Factor 1.5

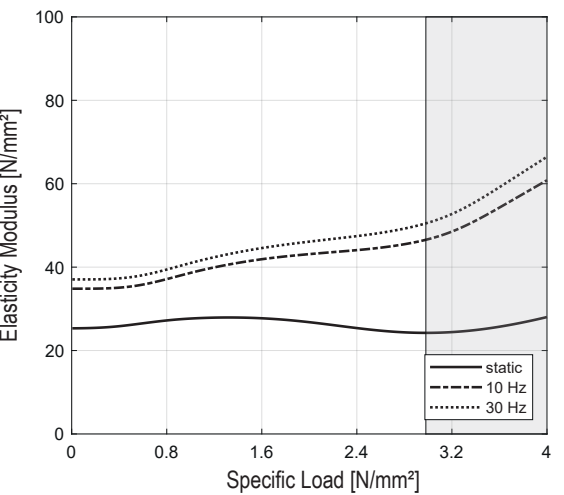


Modulus of Elasticity

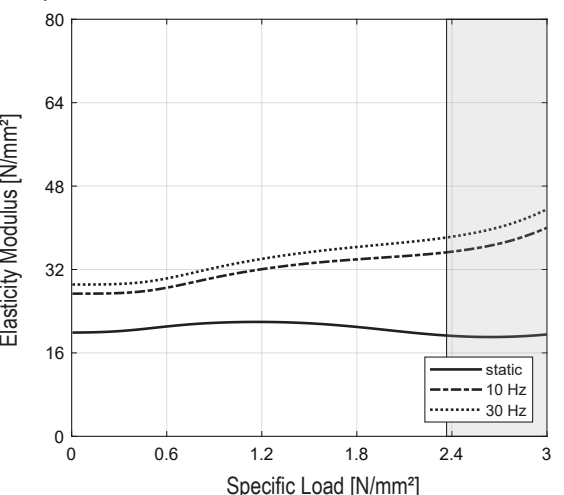
Shape Factor 6.0



Shape Factor 3.0



Shape Factor 1.5



- » B006
- » B008
- » B010
- » B018
- » B025
- » B035
- » B045
- » B060
- » B075
- » B100
- » B125
- » B150
- B300
- » B600
- » B1200

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Technical Data B600

Nominal Static Load Capacity

Shape Factor 6.0: 8.4 N/mm²
Shape Factor 3.0: 6.3 N/mm²
Shape Factor 1.5: 4.1 N/mm²

Permissible Horizontal Deformation

~ 15 % of material thickness*

Horizontal Stiffness

~ 10 % of vertical stiffness*

Mechanical Loss Factor

< 0.1 (DIN 53513; depending on frequency, amplitude, preload and temperature)

Operating Temperature

-25 °C to 55 °C

Compression Set

< 5 % (DIN EN ISO 1856; 25 %; 72 h; 23°C)

Flammability

Class E (DIN EN ISO 11925-2)
B2 (DIN 4102-1)

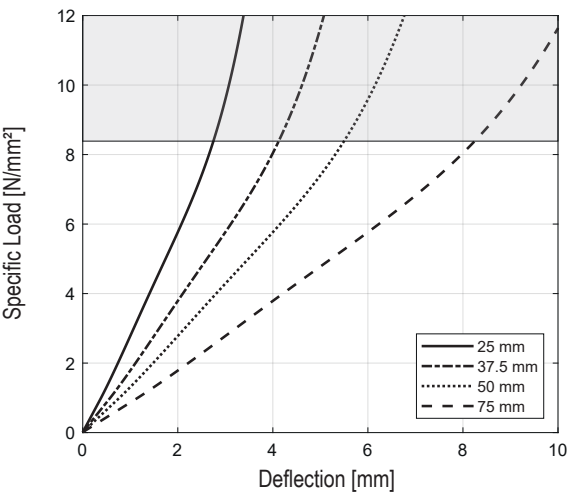
Specific Volume Resistance

> 5 · 10⁸ Ωm (DIN EN 62631-3-1; for dry material)

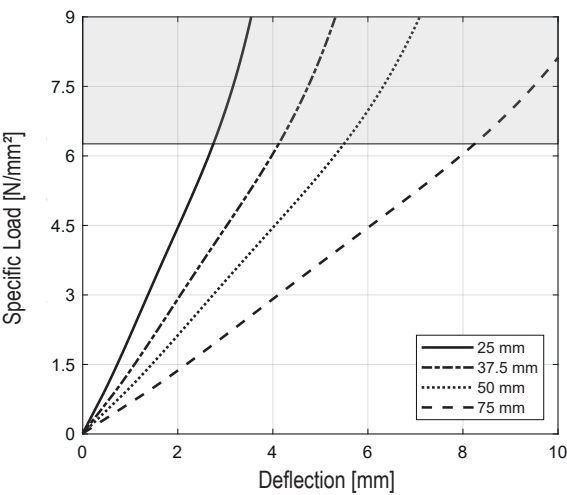
*Design reference value

Load Deflection

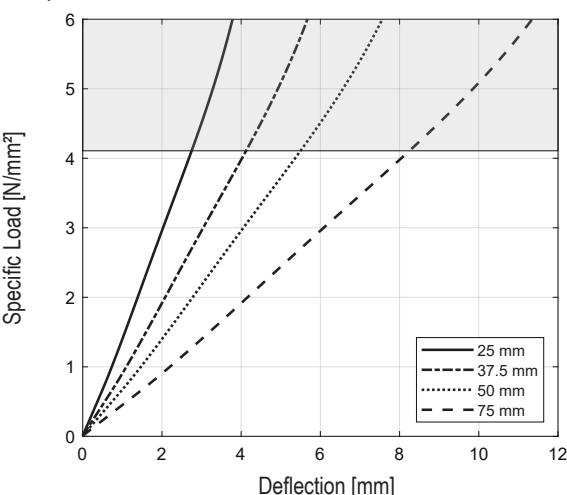
Shape Factor 6.0



Shape Factor 3.0



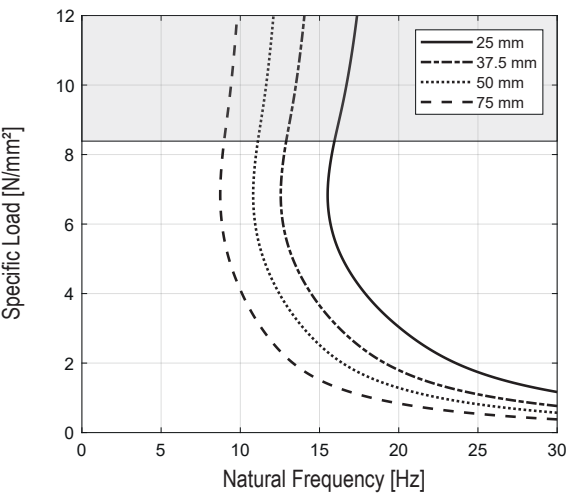
Shape Factor 1.5



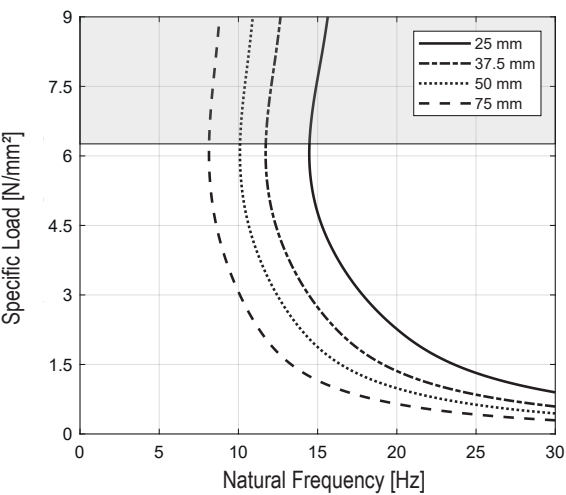
- » B006
- » B008
- » B010
- » B018
- » B025
- » B035
- » B045
- » B060
- » B075
- » B100
- » B125
- » B150
- » B300
- B600
- » B1200

Natural Frequency

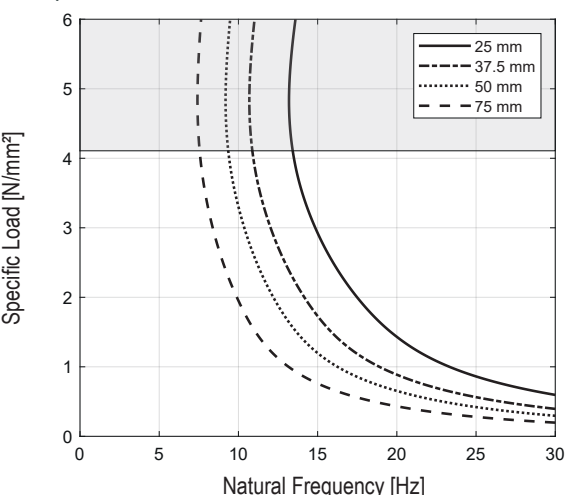
Shape Factor 6.0



Shape Factor 3.0

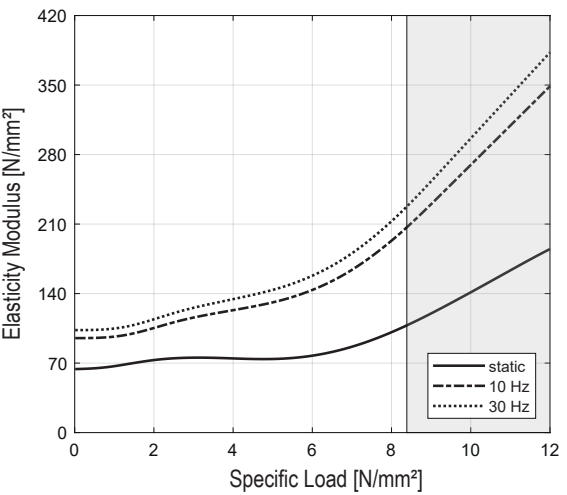


Shape Factor 1.5

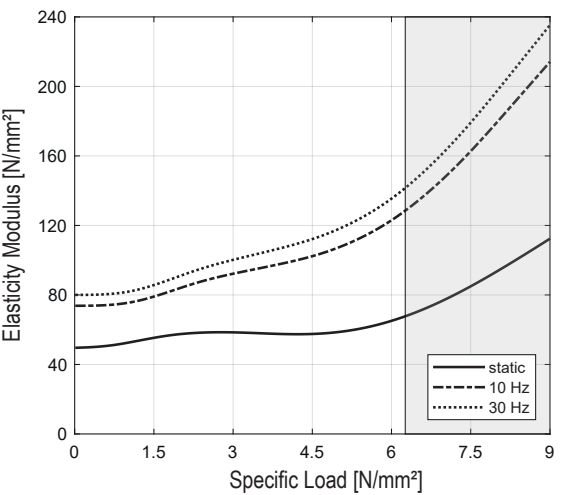


Modulus of Elasticity

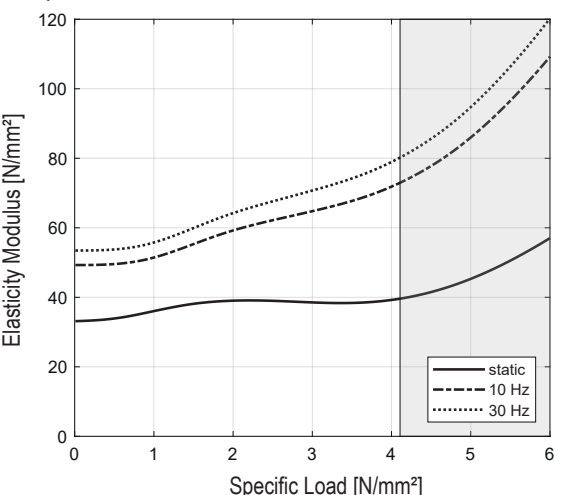
Shape Factor 6.0



Shape Factor 3.0



Shape Factor 1.5



- » B006
- » B008
- » B010
- » B018
- » B025
- » B035
- » B045
- » B060
- » B075
- » B100
- » B125
- » B150
- » B300
- B600
- » B1200

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Technical Data B1200

Nominal Static Load Capacity

Shape Factor 6.0: 19.0 N/mm²
Shape Factor 3.0: 10.0 N/mm²
Shape Factor 1.5: 5.0 N/mm²

Permissible Horizontal Deformation

~ 15 % of material thickness*

Horizontal Stiffness

~ 10 % of vertical stiffness*

Mechanical Loss Factor

< 0.1 (DIN 53513; depending on frequency, amplitude, preload and temperature)

Operating Temperature

-25 °C to 55 °C

Compression Set

< 5 % (DIN EN ISO 1856; 25 %; 72 h; 23°C)

Flammability

Class E (DIN EN ISO 11925-2)
B2 (DIN 4102-1)

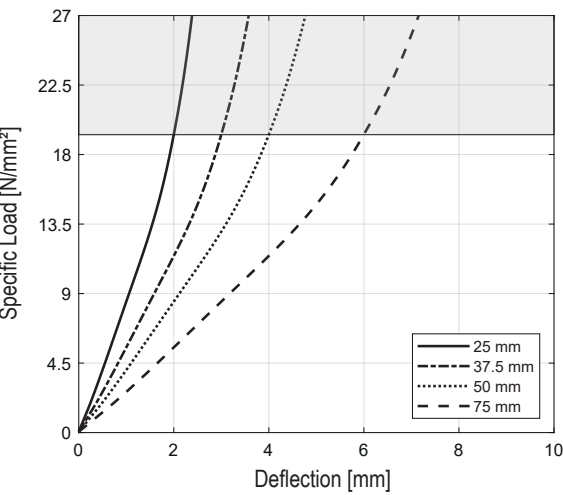
Specific Volume Resistance

> 5 · 10⁸ Ωm (DIN EN 62631-3-1; for dry material)

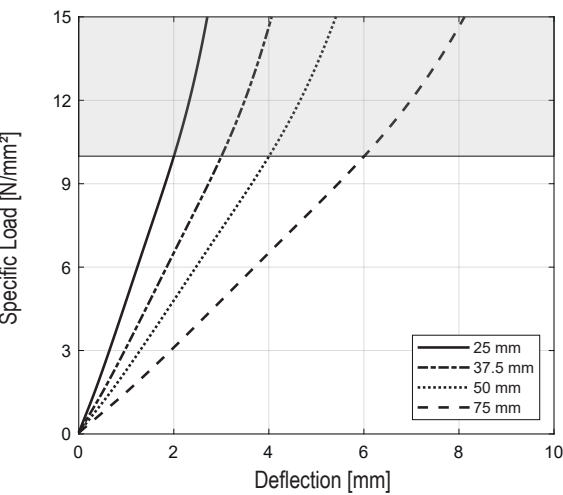
*Design reference value

Load Deflection

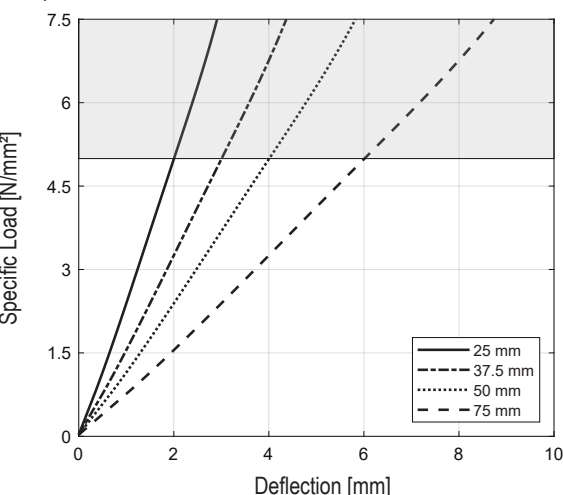
Shape Factor 6.0



Shape Factor 3.0



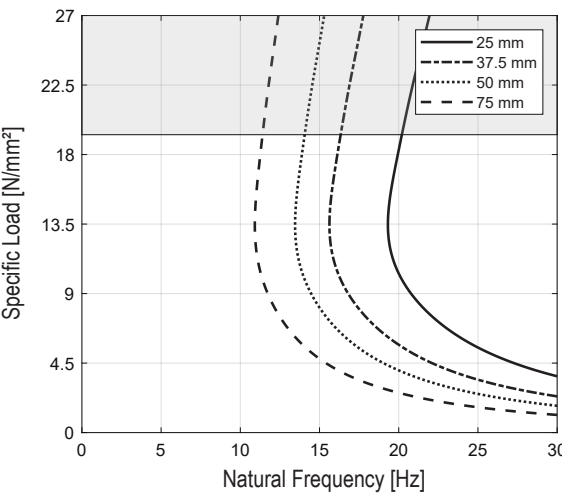
Shape Factor 1.5



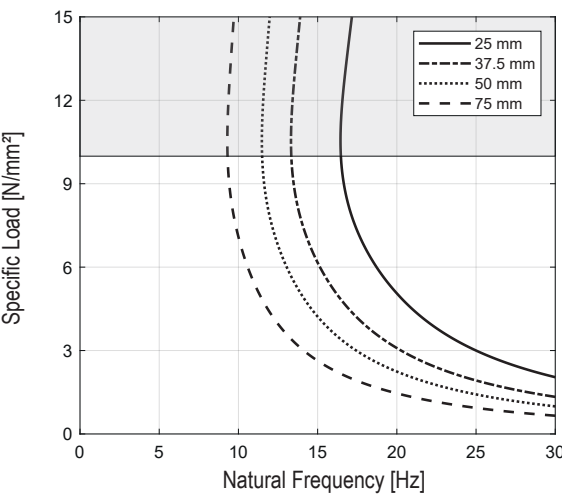
- » B006
- » B008
- » B010
- » B018
- » B025
- » B035
- » B045
- » B060
- » B075
- » B100
- » B125
- » B150
- » B300
- » B600
- B1200

Natural Frequency

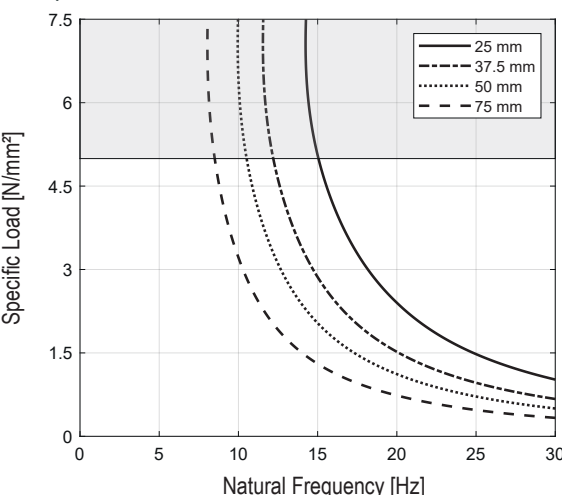
Shape Factor 6.0



Shape Factor 3.0

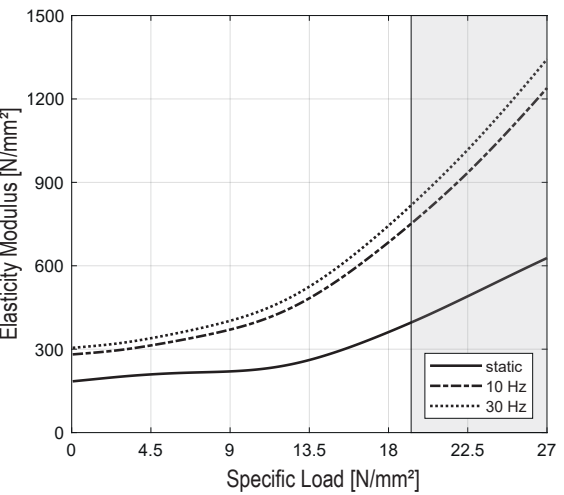


Shape Factor 1.5

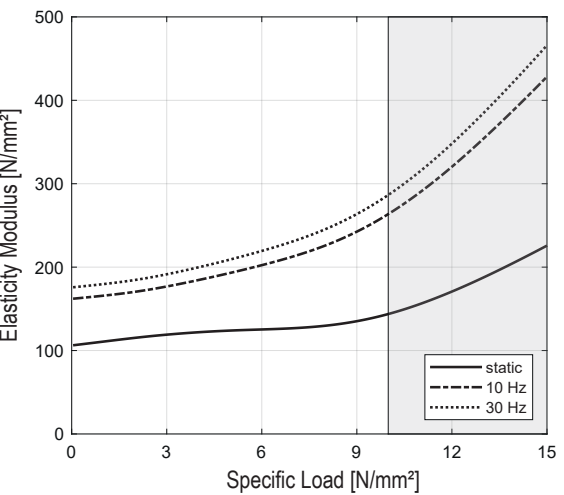


Modulus of Elasticity

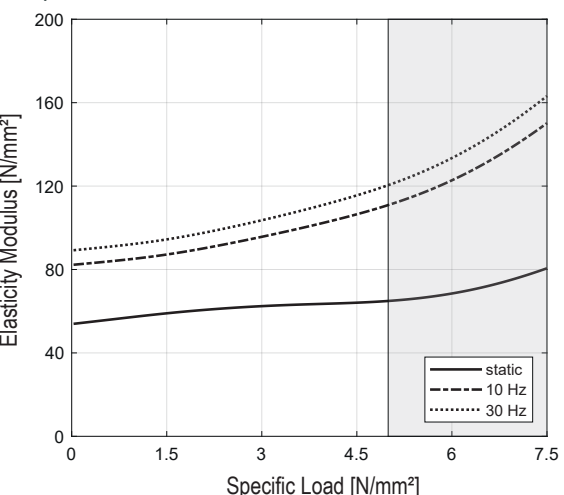
Shape Factor 6.0



Shape Factor 3.0



Shape Factor 1.5



- » B006
- » B008
- » B010
- » B018
- » B025
- » B035
- » B045
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Vibrations Can Be Controlled – Wherever They Occur



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