



Forms of delivery

Sheets, ex warehouse

Thickness: 12.5 and 25 mm Length: 1,500 mm Width: 1,000 mm

Customized strips and pads, self-adhesive versions and special roll lengths available on request.

Technical details

Maximum static load bearing capacity

0.220 N/mm²

Maximum dynamic load bearing capacity for intermitted loadings

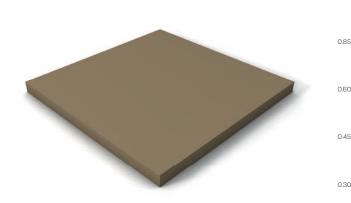
0 to 0.320 N/mm²

Rare, short term peak loads

up to 4.000 N/mm²

Certification

Cradle to Cradle Certified® is a registered trademark of the Cradle to Cradle Products Innovation Institute.





REGUFOAM vibration 510 plus is Cradle to Cradle Certified® at the Bronze level.

Physical property	Norm	Result	Comment
Static modulus of elasticity	Based on EN 826	1.1 - 1.7 N/mm²	Tangential modulus, see figure "modulus of elasticity"
Dynamic modulus of elasticity	Based on DIN 53513	2.2 - 3.7 N/mm²	Depending on frequency, load and thickness, see figure "dynamic stiffness"
Mechanical loss factor	DIN 53513	0.15	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	4.2 %	Measured 30 minutes after decompression with 50 % deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	2.4 N/mm²	
Elongation at break	Based on DIN EN ISO 1798	240 %	
Tear resistance	Based on DIN ISO 34-1	9.3 N/mm	
Fire behaviour	DIN 4102 DIN EN 13501-1	B2 E	
Sliding friction	REGUPOL-laboratory REGUPOL-laboratory	0.7 0.8	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	330 kPa	Compressive stress at 25 % deformation test specimen h = 25 mm
Rebound elasticity	Based on DIN EN ISO 8307	60 %	dependent on thickness, test specimen h = 25 mm
Force reduction	DIN EN 14904	61 %	dependent on thickness, test specimen h = 25 mm

Technical Data | **REGUFOAM vibration 510 plus** | Release 17.12.2024 | www.cmsdanskin.co.uk England & Wales: Unit 2, Lyncastle Road, Warrington, WA4 4SN | 01925 577711 | info@cmsdanskin.co.uk Scotland: 1 Netherton Road, Wishaw, North Lanarkshire, ML2 0EQ | 01698 356000 | enquiries@danskin.co.uk

1|6

740plus 810plus 990plus

2.50

0.11

0.22

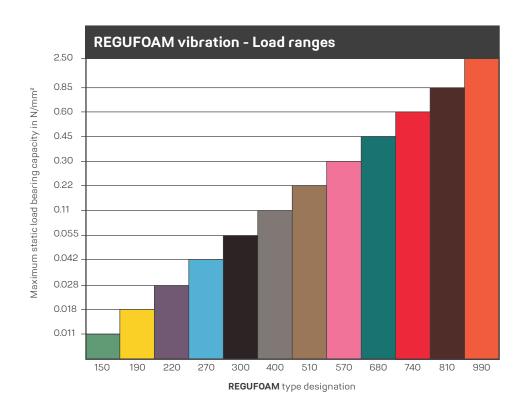
300plus 400p

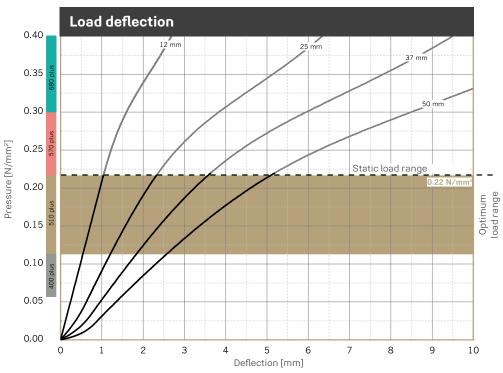
0.042

0.00 8 810.00 190 blus 220 plus

0.011

N/mm²





Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 300×300 mm.

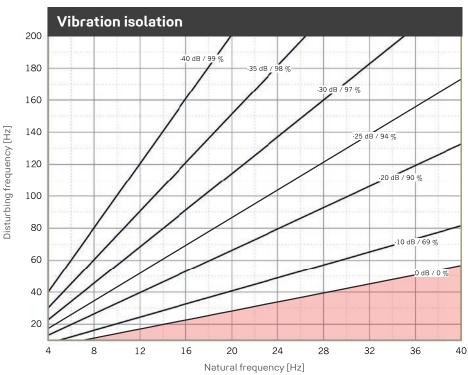
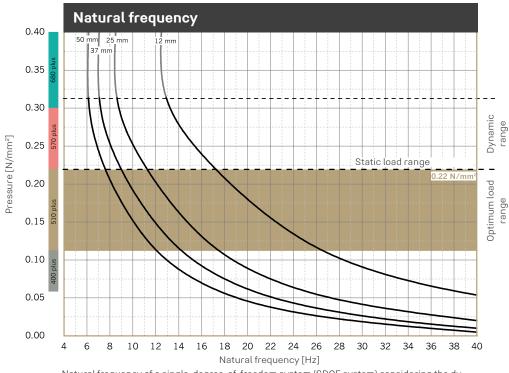


Illustration of the isolation efficiency of a single-degree-of-freedom system (SDOF system) on a rigid base with **REGUFOAM vibration 510 plus.** Parameter: power transmission (insertion loss) in dB, isolation factor in %.



Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of **REGUFOAM vibration 510plus** on a rigid base. Dimensions of test specimens 300×300 mm.

0.85 - 0.60 - 0.45 - 0.30 - 0.22 - 0.11 - 0.055 - 0.042 - 0.018 - 0.011 - 0.01

2.50

990plus

740plus

680plus

300plus

270plus

220plus

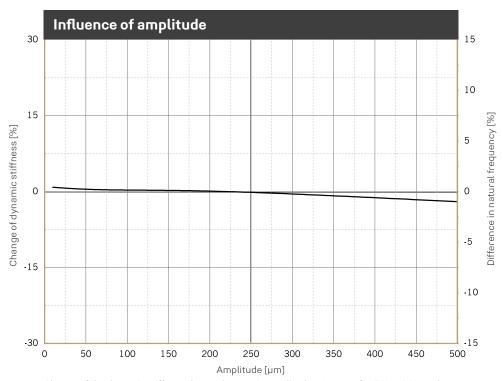
190plus

150plus

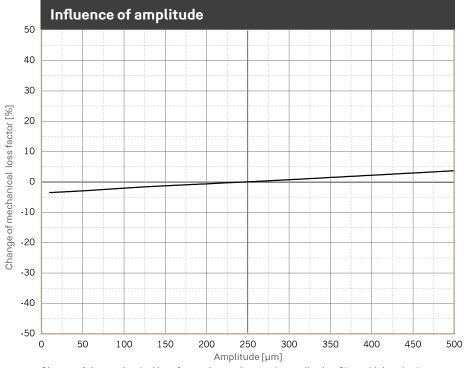
0.00

N/mm²

Technical Data | **REGUFOAM vibration 510plus** | Release 17.12.2024 | www.cmsdanskin.co.uk England & Wales: Unit 2, Lyncastle Road, Warrington, WA4 4SN | 01925 577711 | info@cmsdanskin.co.uk Scotland: 1 Netherton Road, Wishaw, North Lanarkshire, ML2 OEQ | 01698 356000 | enquiries@danskin.co.uk



Change of the dynamic stiffness due to changes in amplitudes. Average for 5 Hz, 10 Hz and 40 Hz excitation. Sinusoidal excitation at a constant mean load of 0.220 N/mm², dimensions of the specimens $300 \times 300 \times 25$ mm. Natural frequency of a single-degree-of-freedom system (SDOF system) on a rigid base.



Change of the mechanical loss factor due to changes in amplitudes. Sinusoidal excitation at a constant mean load of 0.220 N/mm², dimensions of the specimens $300 \times 300 \times 25$ mm.

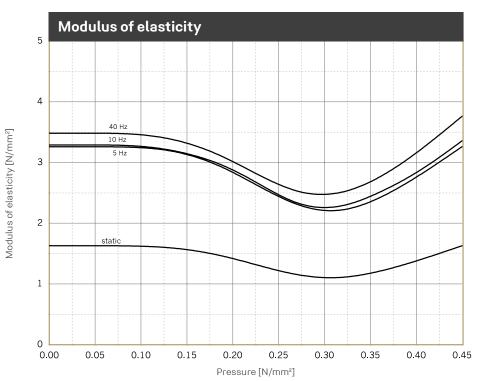


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of \pm 0.25 mm. Dimensions of specimens $300 \times 300 \times 25$ mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

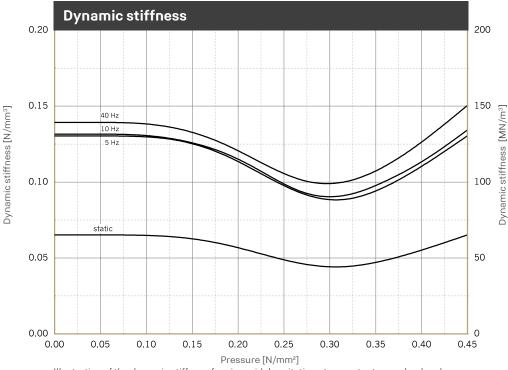
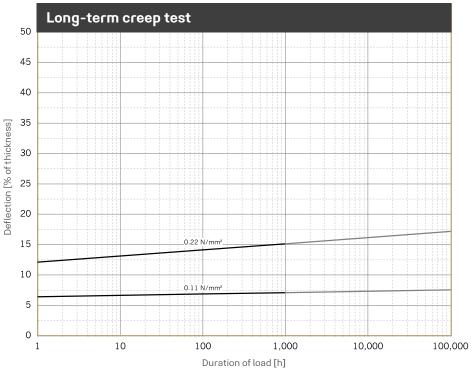


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of \pm 0.25 mm. Dimensions of specimens $300\times300\times25$ mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

0.00 L

Technical Data | **REGUFOAM vibration 510plus** | Release 17.12.2024 | www.cmsdanskin.co.uk England & Wales: Unit 2, Lyncastle Road, Warrington, WA4 4SN | 01925 577711 | info@cmsdanskin.co.uk Scotland: 1 Netherton Road, Wishaw, North Lanarkshire, ML2 OEQ | 01698 356000 | enquiries@danskin.co.uk



Dimensions of specimens 300 x 300 x 50 mm

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Forms of delivery

Sheets, ex warehouse

Thickness: 12.5 and 25 mm Length: 1,500 mm Width: 1,000 mm

Customized strips and pads, self-adhesive versions and special roll lengths available on request.

Technical details

Maximum static load bearing capacity

0.300 N/mm²

Maximum dynamic load bearing capacity for intermitted loadings

0 to 0.420 N/mm²

Rare, short term peak loads

up to 4.500 N/mm²

Certification

Cradle to Cradle Certified® is a registered trademark of the Cradle to Cradle Products Innovation Institute.





REGUFOAM vibration 570 plus is Cradle to Cradle Certified® at the Bronze level.

Physical property	Norm	Result	Comment	0.018
Static modulus of elasticity	Based on EN 826	2.6 - 2.9 N/mm²	Tangential modulus, see figure "modulus of elasticity"	0.011
Dynamic modulus of elasticity	Based on DIN 53513	5.3 - 6.5 N/mm²	Depending on frequency, load and thickness, see figure "dynamic stiffness"	0.00
Mechanical loss factor	DIN 53513	0.14	Load-, amplitude- and frequency-dependent	_ 0.00 N/m
Compression set	Based on DIN EN ISO 1856	4.4 %	Measured 30 minutes after decompression with 50 % deformation / 23 °C after 72 hrs	
Tensile strength	Based on DIN EN ISO 1798	2.9 N/mm²		
Elongation at break	Based on DIN EN ISO 1798	210 %		
Tear resistance	Based on DIN ISO 34-1	14.1 N/mm		•
Fire behaviour	DIN 4102 DIN EN 13501-1	B2 E		
Sliding friction	REGUPOL-laboratory	0.6 0.7	Steel (dry) Concrete (dry)	
Compression hardness	Based on DIN EN ISO 3386-2	620 kPa	Compressive stress at 25 % deformation test specimen h = 25 mm	
Rebound elasticity	Based on DIN EN ISO 8307	58 %	dependent on thickness, test specimen h = 25 mm	
Force reduction	DIN EN 14904	50 %	dependent on thickness, test specimen h = 25 mm	

Technical Data | **REGUFOAM vibration 570 plus** | Release 17.12.2024 | www.cmsdanskin.co.uk England & Wales: Unit 2, Lyncastle Road, Warrington, WA4 4SN | 01925 577711 | info@cmsdanskin.co.uk Scotland: 1 Netherton Road, Wishaw, North Lanarkshire, ML2 OEQ | 01698 356000 | enquiries@danskin.co.uk

1|6

2.50 740plus

680plus 0.30

0.11

0.055

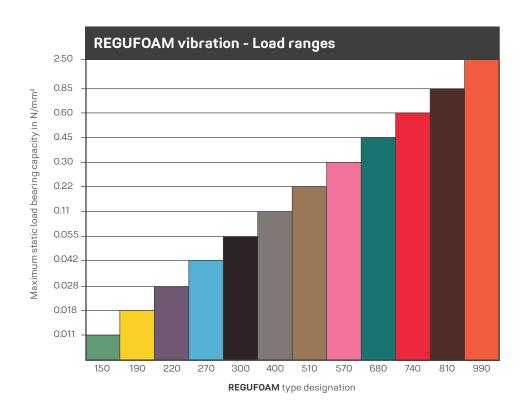
0.042

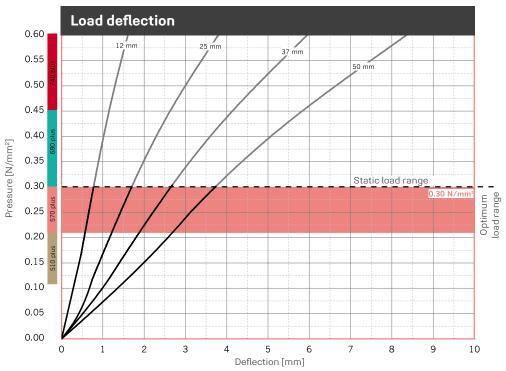
220plus

190plus 0.011

0.00

N/mm²





Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 300×300 mm.

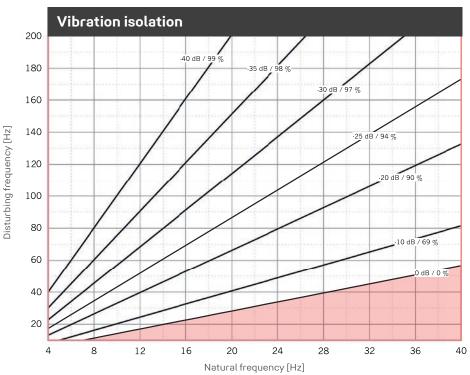
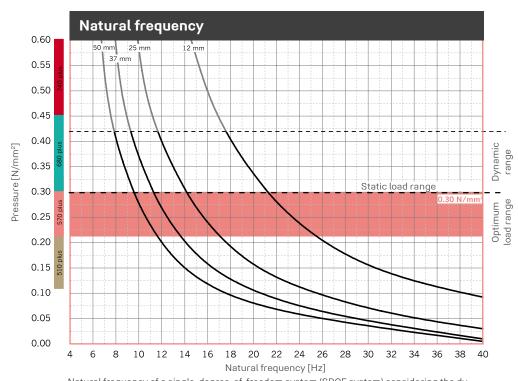


Illustration of the isolation efficiency of a single-degree-of-freedom system (SDOF system) on a rigid base with **REGUFOAM vibration 570 plus.** Parameter: power transmission (insertion loss) in dB, isolation factor in %.



Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of **REGUFOAM vibration 570 plus** on a rigid base. Dimensions of test specimens 300×300 mm.

0.85 - 0.60 - 0.45 - 0.45 - 0.30 - 0.22 - 0.11 - 0.055 - 0.042 - 0.018 - 0.011

2.50

990plus

740plus

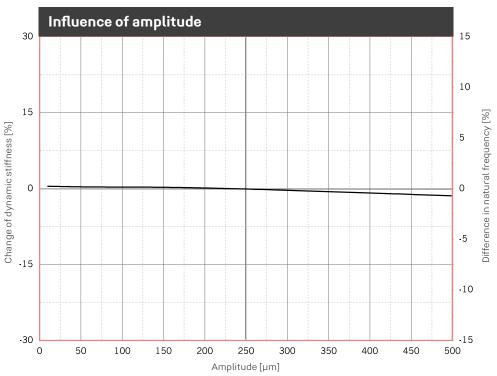
680plus

300plus

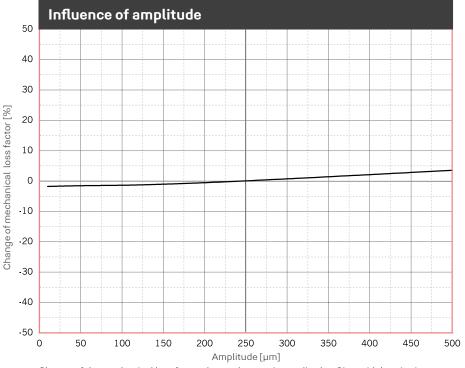
220plus

190plus

0.00 L



Change of the dynamic stiffness due to changes in amplitudes. Average for 5 Hz, 10 Hz and 40 Hz excitation. Sinusoidal excitation at a constant mean load of 0.300 N/mm^2 , dimensions of the specimens $300 \times 300 \times 25 \text{ mm}$. Natural frequency of a single-degree-of-freedom system (SD0F system) on a rigid base.



Change of the mechanical loss factor due to changes in amplitudes. Sinusoidal excitation at a constant mean load of 0.300 N/mm², dimensions of the specimens $300 \times 300 \times 25$ mm.

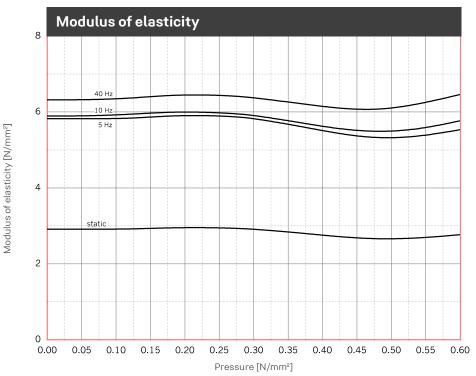


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of \pm 0.25 mm. Dimensions of specimens $300 \times 300 \times 25$ mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

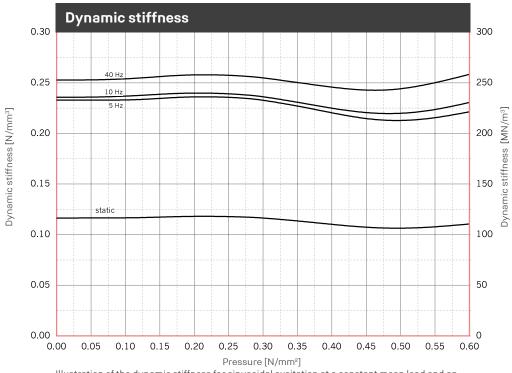
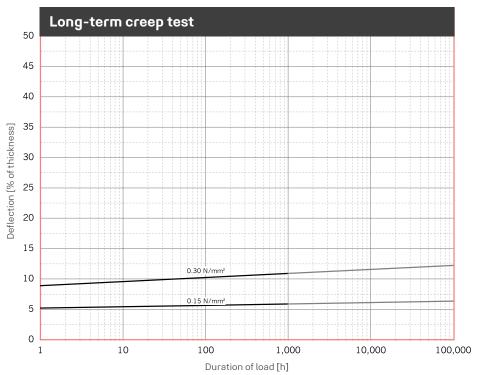


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of \pm 0.25 mm. Dimensions of specimens 300 x 300 x 25 mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

0.00 L



Dimensions of specimens 300 x 300 x 50 mm

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Forms of delivery

Sheets, ex warehouse

Thickness: 12.5 and 25 mm 1,500 mm Length: Width: 1,000 mm

Customized strips and pads, self-adhesive versions and special roll lengths available on request.

Technical details

Maximum static load bearing capacity

0.450 N/mm²

Maximum dynamic load bearing capacity for intermitted loadings

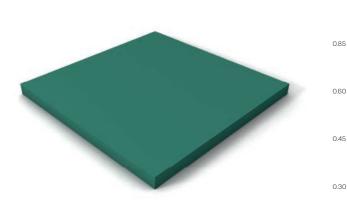
0 to 0.620 N/mm²

Rare, short term peak loads

up to 5.000 N/mm²

Certification

Cradle to Cradle Certified® is a registered trademark of the Cradle to Cradle Products Innovation Institute.





REGUFOAM vibration 680 plus is Cradle to Cradle Certified® at the Bronze level.

Physical property	Norm	Result	Comment
Static modulus of elasticity	Based on EN 826	3.8 - 4.1 N/mm²	Tangential modulus, see figure "modulus of elasticity"
Dynamic modulus of elasticity	Based on DIN 53513	7.0 - 10.0 N/mm²	Depending on frequency, load and thickness, see figure "dynamic stiffness"
Mechanical loss factor	DIN 53513	0.12	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	6.2 %	Measured 30 minutes after decompression with 50 % deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	3.6 N/mm²	
Elongation at break	Based on DIN EN ISO 1798	230 %	
Tear resistance	Based on DIN ISO 34-1	18.5 N/mm	
Fire behaviour	DIN 4102 DIN EN 13501-1	B2 E	
Sliding friction	REGUPOL-laboratory REGUPOL-laboratory	0.6 0.7	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	840 kPa	Compressive stress at 25 % deformation test specimen h = 25 mm
Rebound elasticity	Based on DIN EN ISO 8307	58 %	dependent on thickness, test specimen h = 25 mm
Force reduction	DIN EN 14904	44 %	dependent on thickness, test specimen h = 25 mm

Technical Data | **REGUFOAM vibration 680 plus** | Release 17.12.2024 | www.cmsdanskin.co.uk England & Wales: Unit 2, Lyncastle Road, Warrington, WA4 4SN | 01925 577711 | info@cmsdanskin.co.uk Scotland: 1 Netherton Road, Wishaw, North Lanarkshire, ML2 OEQ | 01698 356000 | enquiries@danskin.co.uk

1|6

2.50 0.85

0.22 510plus 0.11

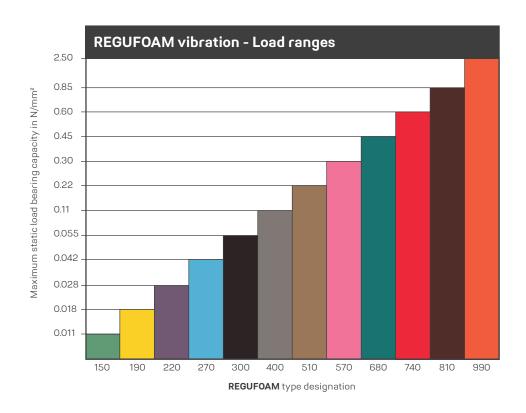
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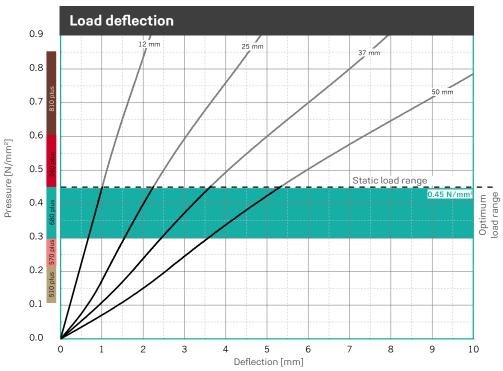
300plus 0.042

220plus 0.018 190plus

0.00

N/mm²





Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 300×300 mm.

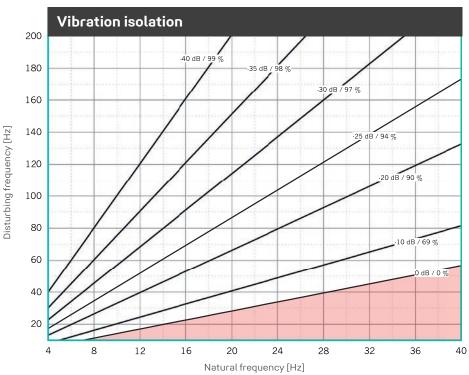
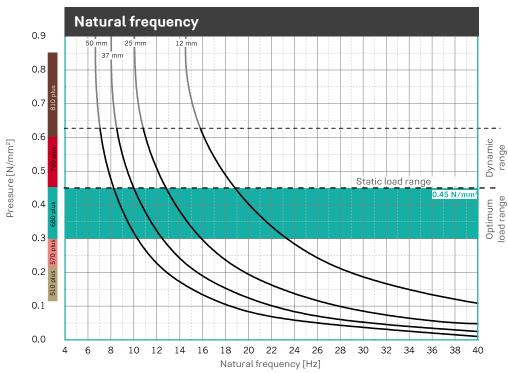


Illustration of the isolation efficiency of a single-degree-of-freedom system (SDOF system) on a rigid base with **REGUFOAM vibration 680 plus.** Parameter: power transmission (insertion loss) in dB, isolation factor in %.



Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of **REGUFOAM vibration 680 plus** on a rigid base. Dimensions of test specimens 300×300 mm.

300plus

270plus

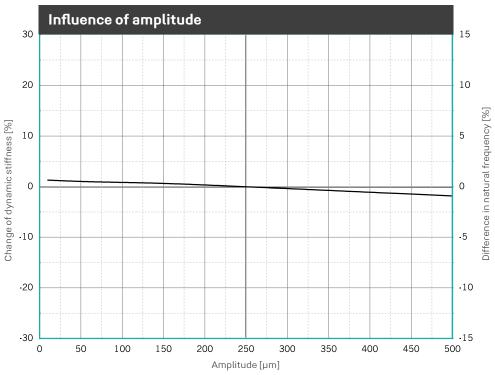
220plus

190plus

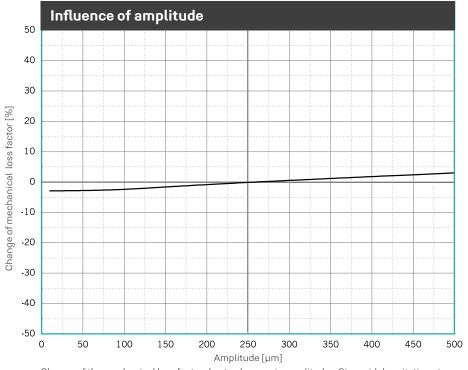
2.50

0.85

990plus



Change of the dynamic stiffness due to changes in amplitudes. Average for 5 Hz, 10 Hz and 40 Hz excitation. Sinusoidal excitation at a constant mean load of 0.450 N/mm², dimensions of the specimens $300 \times 300 \times 25$ mm. Natural frequency of a single-degree-of-freedom system (SDOF system) on a rigid base.



Change of the mechanical loss factor due to changes in amplitudes. Sinusoidal excitation at a constant mean load of $0.450 \, \text{N/mm}^2$, dimensions of the specimens $300 \, \text{x} \, 300 \, \text{x} \, 25 \, \text{mm}$.

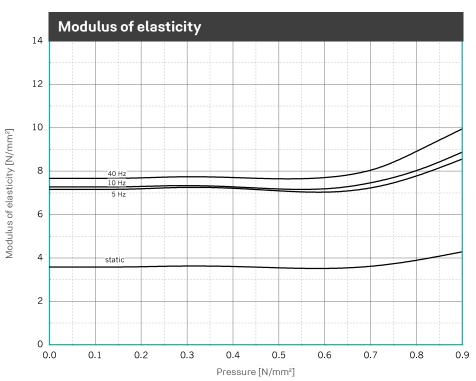


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of \pm 0.25 mm. Dimensions of specimens $300 \times 300 \times 25$ mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

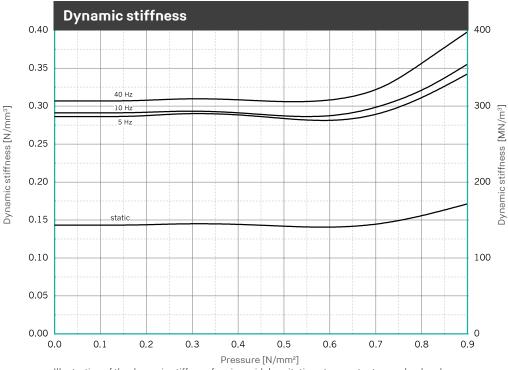
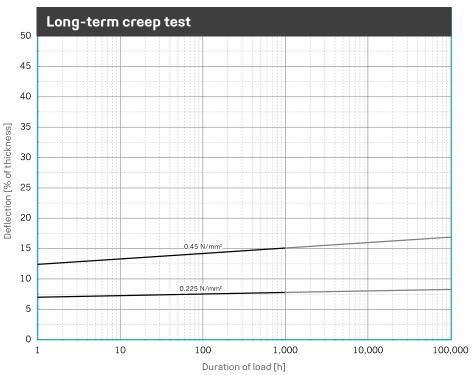


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of \pm 0.25 mm. Dimensions of specimens 300 x 300 x 25 mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

0.00

N/mm²

2.50



Dimensions of specimens 300 x 300 x 50 mm

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Forms of delivery

Sheets, ex warehouse

Thickness: 12.5 and 25 mm 1,500 mm Length: Width: 1,000 mm

Customized strips and pads, self-adhesive versions and special roll lengths available on request.

Technical details

Maximum static load bearing capacity

0.600 N/mm²

Maximum dynamic load bearing capacity for intermitted loadings

0 to 0.850 N/mm²

Rare, short term peak loads

up to 6.000 N/mm²

Certification

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Physical property	Norm	Result	Comment
Static modulus of elasticity	Based on EN 826	4.3 - 5.9 N/mm²	Tangential modulus, see figure "modulus of elasticity"
Dynamic modulus of elasticity	Based on DIN 53513	8.9 - 13.0 N/mm²	Depending on frequency, load and thickness, see figure "dynamic stiffness"
Mechanical loss factor	DIN 53513	0.11	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	4.8 %	Measured 30 minutes after decompression with 50 % deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	4.0 N/mm²	
Elongation at break	Based on DIN EN ISO 1798	210 %	
Tear resistance	Based on DIN ISO 34-1	19.0 N/mm	
Fire behaviour	DIN 4102 DIN EN 13501-1	B2 E	
Sliding friction	REGUPOL-laboratory REGUPOL-laboratory	0.6 0.7	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	1 050 kPa	Compressive stress at 25 % deformation test specimen h = 25 mm
Rebound elasticity	Based on DIN EN ISO 8307	59%	dependent on thickness, test specimen h = 25 mm
Force reduction	DIN EN 14904	39 %	dependent on thickness, test specimen h = 25 mm

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1|6

2.50 0.85

680plus 0.30 0.22

510plus 0.11

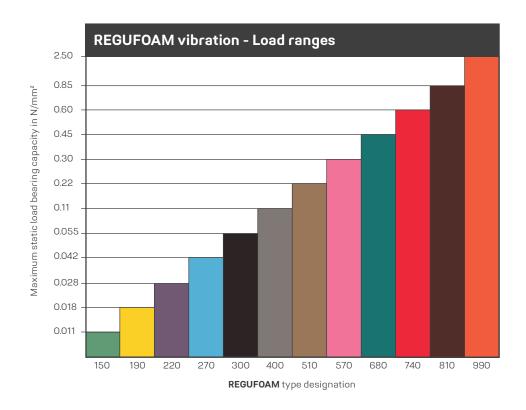
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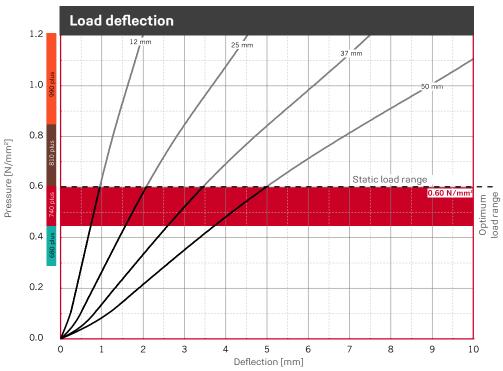
0.055

220plus 0.018 190plus

0.00

N/mm²





Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 250×250 mm.

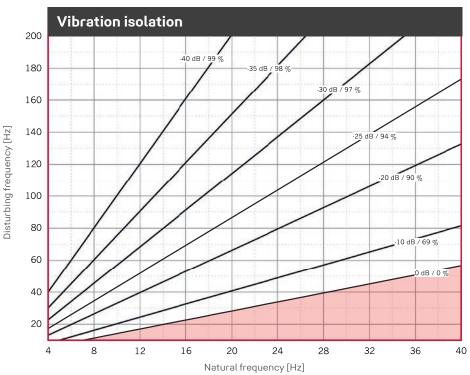
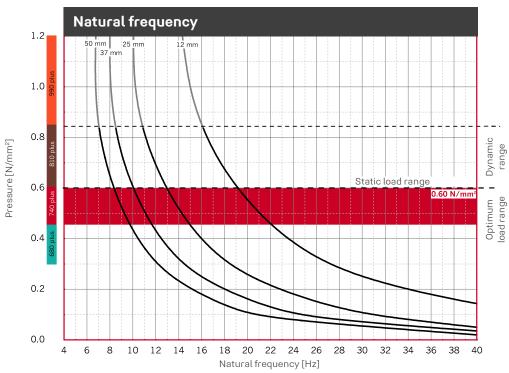


Illustration of the isolation efficiency of a single-degree-of-freedom system (SDOF system) on a rigid base with **REGUFOAM vibration 740 plus.** Parameter: power transmission (insertion loss) in dB, isolation factor in %.

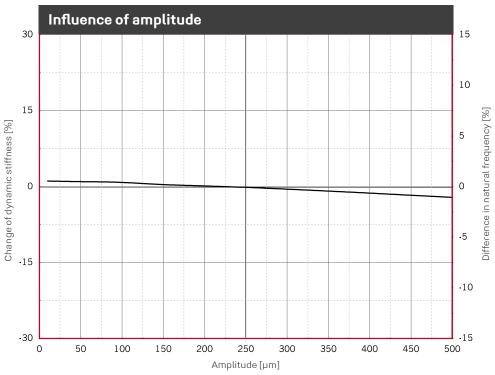


Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of **REGUFOAM vibration 740plus** on a rigid base. Dimensions of test specimens 250×250 mm.

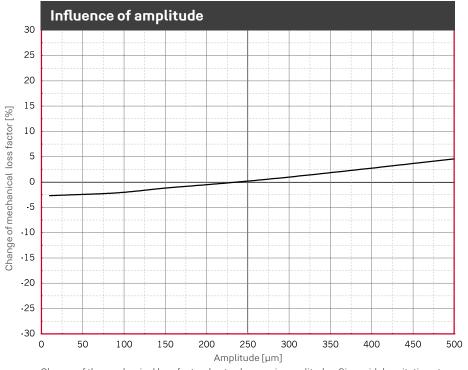
Technical Data | **REGUFOAM vibration 740plus** | Release 17.12.2024 | www.cmsdanskin.co.uk England & Wales: Unit 2, Lyncastle Road, Warrington, WA4 4SN | 01925 577711 | info@cmsdanskin.co.uk Scotland: 1 Netherton Road, Wishaw, North Lanarkshire, ML2 OEQ | 01698 356000 | enquiries@danskin.co.uk

 N/mm^2

2.50



Change of the dynamic stiffness due to changes in amplitudes. Average for 5 Hz, 10 Hz and 40 Hz excitation. Sinusoidal excitation at a constant mean load of 0.600 N/mm², dimensions of the specimens $250 \times 250 \times 50$ mm. Natural frequency of a single-degree-of-freedom system (SDOF system) on a rigid base.



Change of the mechanical loss factor due to changes in amplitudes. Sinusoidal excitation at a constant mean load of 0.600 N/mm^2 , dimensions of the specimens $250 \times 250 \times 50 \text{ mm}$.

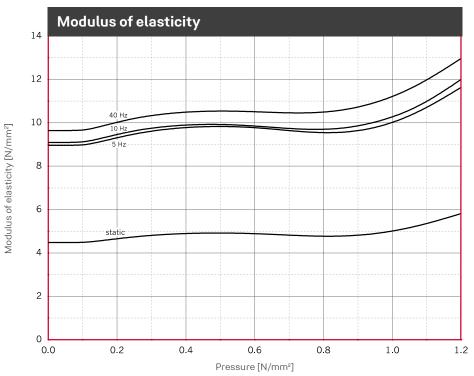


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of \pm 0.25 mm. Dimensions of specimens 250 x 250 x 25 mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

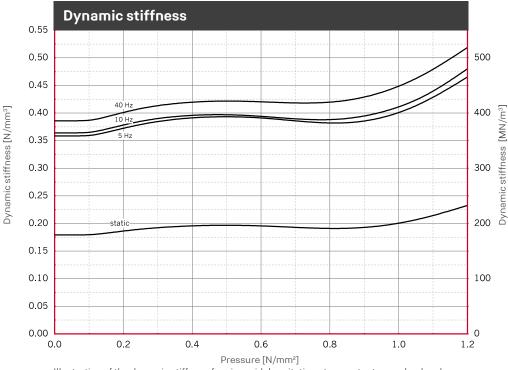
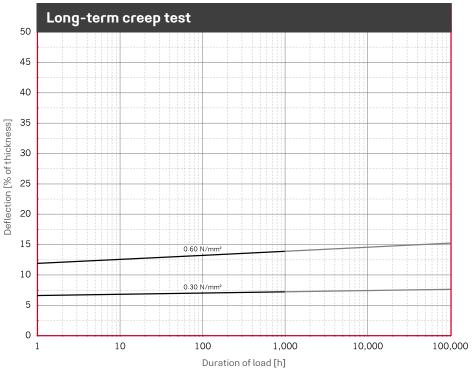


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of \pm 0.25 mm. Dimensions of specimens 250 x 250 x 25 mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

N/mm²

2.50



Dimensions of specimens 250 x 250 x 50 mm

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2.50

680plus

510plus

0.22

0.11

0.055

0.042

220plus

190plus

Forms of delivery

Sheets, ex warehouse

Thickness: 12.5 and 25 mm Length: 1,500 mm Width: 1,000 mm

Customized strips and pads, self-adhesive versions and special roll lengths available on request.

Technical details

Maximum static load bearing capacity

0.850 N/mm²

Maximum dynamic load bearing capacity for intermitted loadings

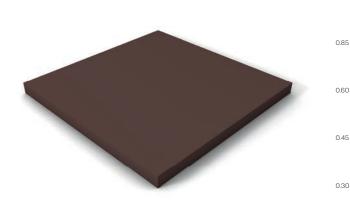
0 to 1.200 N/mm²

Rare, short term peak loads

up to 7.000 N/mm²

Certification

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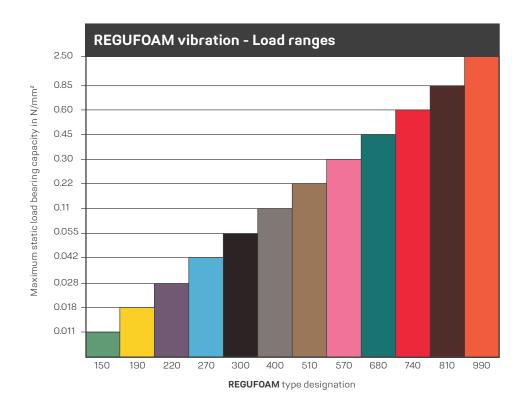


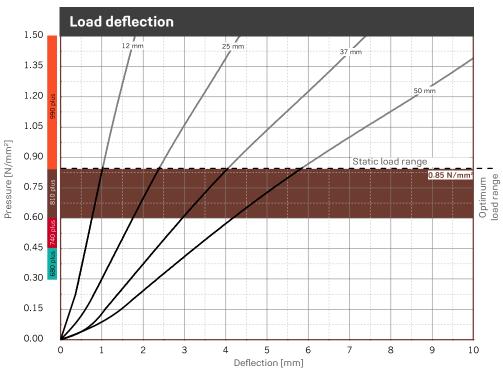


REGUFOAM vibration 810 plus is Cradle to Cradle Certified[®] at the Bronze level.

Physical property	Norm	Result	Comment	0.018	t
Static modulus of elasticity	Based on EN 826	5.4 - 8.0 N/mm²	Tangential modulus, see figure "modulus of elasticity"	0.011	1001
Dynamic modulus of elasticity	Based on DIN 53513	11.0 - 16.5 N/mm²	Depending on frequency, load and thickness, see figure "dynamic stiffness"	0.00	15021
Mechanical loss factor	DIN 53513	0.10	Load-, amplitude- and frequency-dependent	N/mr	m²
Compression set	Based on DIN EN ISO 1856	7.9 %	Measured 30 minutes after decompression with 50 % deformation / 23 °C after 72 hrs	-	
Tensile strength	Based on DIN EN ISO 1798	4.6 N/mm²		=	
Elongation at break	Based on DIN EN ISO 1798	230 %		-	
Tear resistance	Based on DIN ISO 34-1	20.0 N/mm		_	
Fire behaviour	DIN 4102 DIN EN 13501-1	B2 E		-	
Sliding friction	REGUPOL-laboratory REGUPOL-laboratory	0.6 0.75	Steel (dry) Concrete (dry)	-	
Compression hardness	Based on DIN EN ISO 3386-2	1 241 kPa	Compressive stress at 25 % deformation test specimen h = 25 mm	-	
Rebound elasticity	Based on DIN EN ISO 8307	58 %	dependent on thickness, test specimen h = 25 mm	-	
Force reduction	DIN EN 14904	35 %	dependent on thickness, test specimen h = 25 mm	-	

Technical Data | **REGUFOAM vibration 810plus** | Release 17.12.2024 | www.cmsdanskin.co.uk England & Wales: Unit 2, Lyncastle Road, Warrington, WA4 4SN | 01925 577711 | info@cmsdanskin.co.uk Scotland: 1 Netherton Road, Wishaw, North Lanarkshire, ML2 OEQ | 01698 356000 | enquiries@danskin.co.uk





Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 250×250 mm.

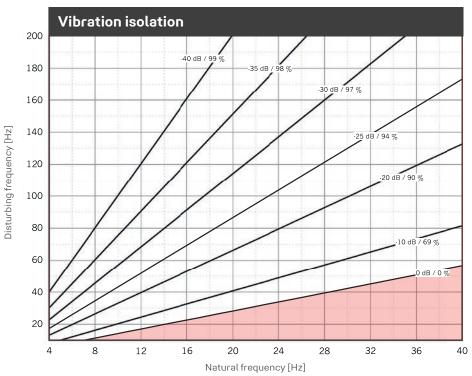
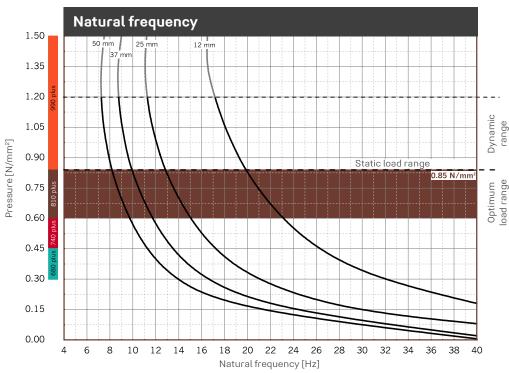


Illustration of the isolation efficiency of a single-degree-of-freedom system (SDOF system) on a rigid base with **REGUFOAM vibration 810 plus.** Parameter: power transmission (insertion loss) in dB, isolation factor in %.



Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of **REGUFOAM vibration 810plus** on a rigid base. Dimensions of test specimens 250×250 mm.

0.60

0.45

0.30

0.22

0.11

0.058

0.042

0.028

0.018

2.50

0.85

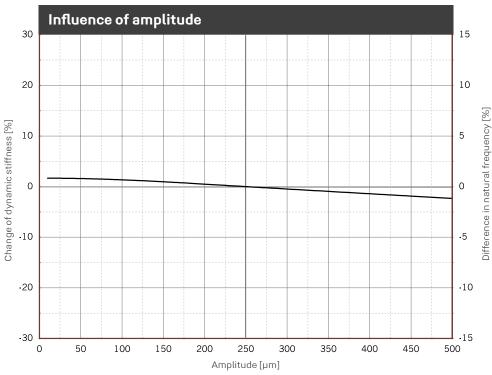
680plus

300plus

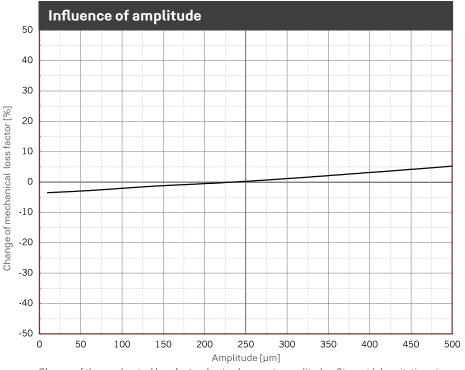
220plus

190plus

0.00 L



Change of the dynamic stiffness due to changes in amplitudes. Average for 5 Hz, 10 Hz and 40 Hz excitation. Sinusoidal excitation at a constant mean load of 0.850 N/mm², dimensions of the specimens $250 \times 250 \times 50$ mm. Natural frequency of a single-degree-of-freedom system (SDOF system) on a rigid base.



Change of the mechanical loss factor due to changes in amplitudes. Sinusoidal excitation at a constant mean load of $0.850 \, \text{N/mm}^2$, dimensions of the specimens $250 \, \text{x} \, 250 \, \text{x} \, 25 \, \text{mm}$.

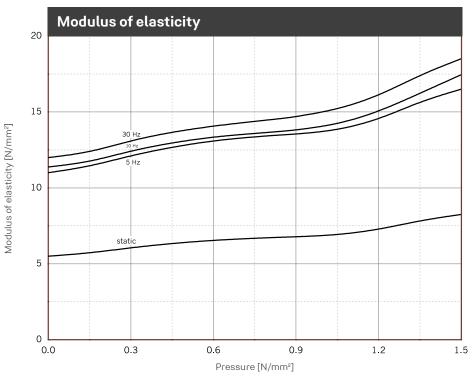


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of \pm 0.10 mm. Dimensions of specimens $250 \times 250 \times 25$ mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

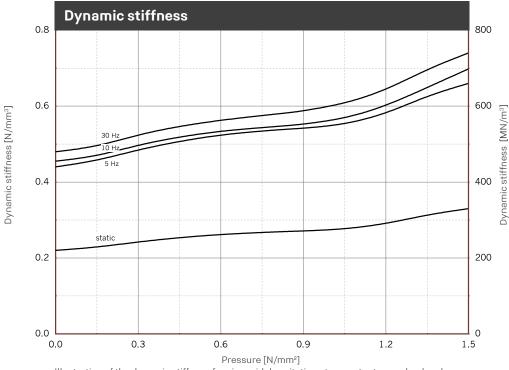
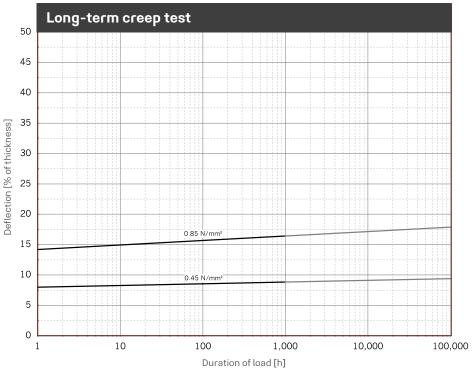


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of \pm 0.10 mm. Dimensions of specimens 250 x 250 x 25 mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

0.00 L



Dimensions of specimens 250 x 250 x 50 mm

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2.50

740plus

680plus

510plus

0.22

0.11

0.055

0.042

0.018

0.011

0.00 L

220plus

190plus

Forms of delivery

Sheets, ex warehouse

Thickness: 12.5 and 25 mm Length: 1,500 mm Width: 1,000 mm

Customized strips and pads, self-adhesive versions and special roll lengths available on request.

Technical details

Maximum static load bearing capacity

2.500 N/mm²

Maximum dynamic load bearing capacity for intermitted loadings

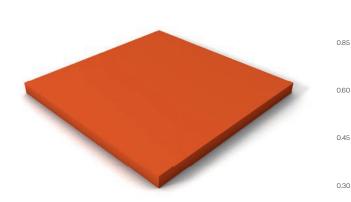
0 to 3.500 N/mm²

Rare, short term peak loads

up to 8.000 N/mm²

Certification

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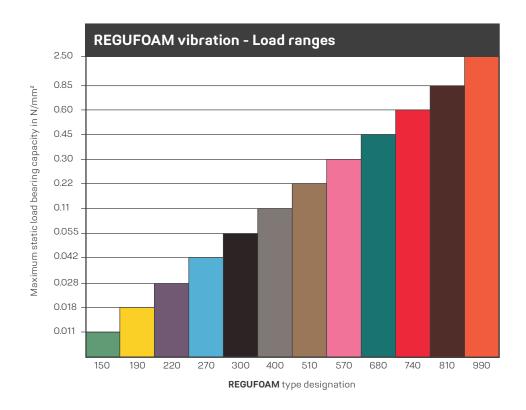


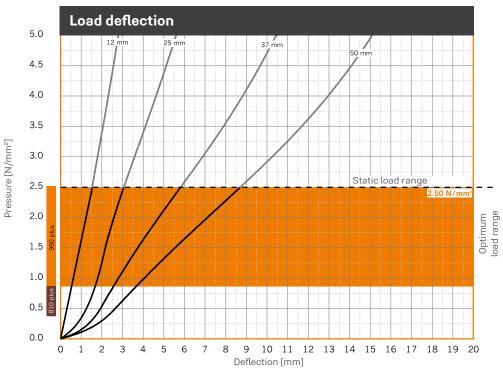


REGUFOAM vibration 990plus is Cradle to Cradle Certified® at the Bronze level.

Physical property	Norm	Result	Comment
Static modulus of elasticity	Based on EN 826	20.0 - 78.0 N/mm²	Tangential modulus, see figure "modulus of elasticity"
Dynamic modulus of elasticity	Based on DIN 53513	41.0 - 160.0 N/mm²	Depending on frequency, load and thickness, see figure "dynamic stiffness"
Mechanical loss factor	DIN 53513	0.09	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	8.6 %	Measured 30 minutes after decompression with 50 % deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	6.9 N/mm²	
Elongation at break	Based on DIN EN ISO 1798	190 %	
Tear resistance	Based on DIN ISO 34-1	34.5 N/mm	
Fire behaviour	DIN 4102 DIN EN 13501-1	B2 E	
Sliding friction	REGUPOL-laboratory	0.5 0.6	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	3 640 kPa	Compressive stress at 25 % deformation test specimen h = 25 mm
Rebound elasticity	Based on DIN EN ISO 8307	55 %	dependent on thickness, test specimen h = 25 mm
Force reduction	DIN EN 14904	20 %	dependent on thickness, test specimen h = 25 mm

Technical Data | **REGUFOAM vibration 990plus** | Release 17.12.2024 | www.cmsdanskin.co.uk England & Wales: Unit 2, Lyncastle Road, Warrington, WA4 4SN | 01925 577711 | info@cmsdanskin.co.uk Scotland: 1 Netherton Road, Wishaw, North Lanarkshire, ML2 OEQ | 01698 356000 | enquiries@danskin.co.uk





Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens $125 \times 125 \, \text{mm}$.

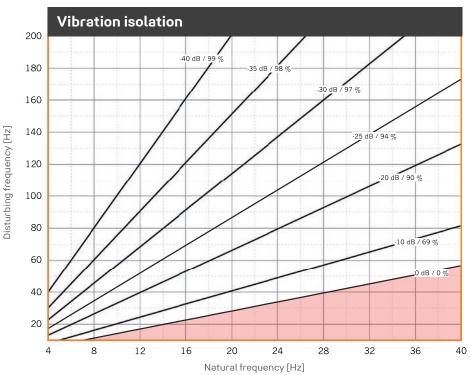
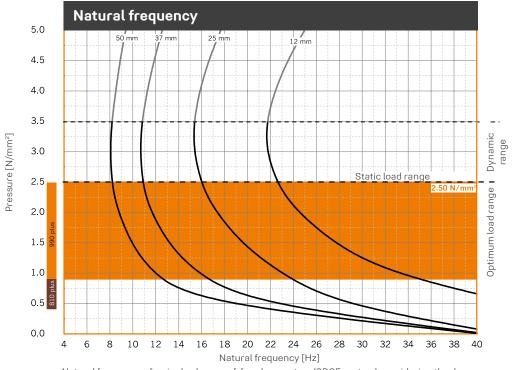


Illustration of the isolation efficiency of a single-degree-of-freedom system (SDOF system) on a rigid base with **REGUFOAM vibration 990plus.** Parameter: power transmission (insertion loss) in dB, isolation factor in %.



Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of **REGUFOAM vibration 990plus** on a rigid base. Dimensions of test specimens 125×125 mm.

0.85 740plus 0.45 680plus 0.30 0.22 510plus 0.11 0.055 300plus 0.042 270plus 220plus 0.018 190plus 0.011

2.50

0.00 L N/mm²

Influence of Amplitude

In order to get information of changes in mechanical loss or dynamic stiffness due to changes in amplitudes please ask technical staff of **REGUPOL**.

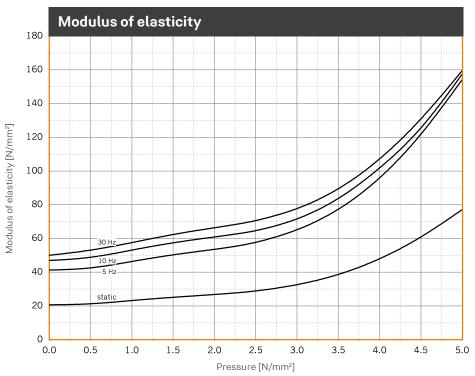


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of \pm 0.10 mm. Dimensions of specimens 125 x 125 x 25 mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

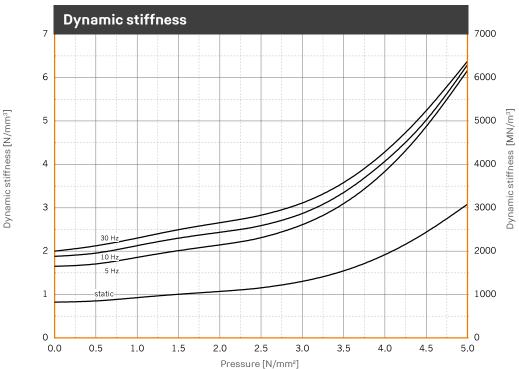


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of \pm 0.10 mm. Dimensions of specimens 125 x 125 x 25 mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

2.50

740plus

680plus

510plus

300plus

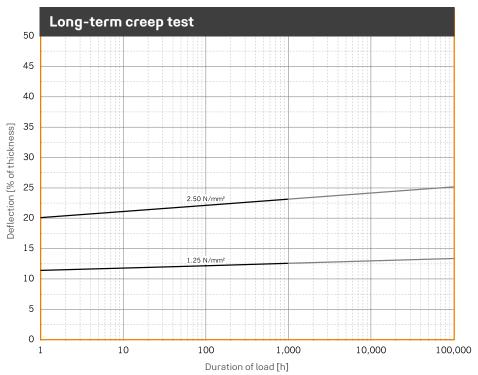
220plus

190plus

150plus

0.00

N/mm²



Dimensions of specimens 125 x 125 x 50 mm

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Forms of delivery

Rolls, ex warehouse

Thickness: 12.5 and 25 mm 5,000 mm Length: Width: 1,500 mm

Customized strips and pads, self-adhesive versions and special roll lengths available on request.

Technical details

Maximum static load bearing capacity

0.011 N/mm²

Maximum dynamic load bearing capacity for intermitted loadings

0 to 0.016 N/mm²

Rare, short term peak loads

up to 0.500 N/mm²

Certification

Cradle to Cradle Certified® is a registered trademark of the Cradle to Cradle Products Innovation Institute.





REGUFOAM vibration 150 plus is Cradle to Cradle Certified® at the Bronze level.

Physical property	Norm	Result	Comment
Static modulus of elasticity	Based on EN 826	0.06 - 0.16 N/mm²	Tangential modulus, see figure "modulus of elasticity"
Dynamic modulus of elasticity	Based on DIN 53513	0.15 - 0.38 N/mm²	Depending on frequency, load and thickness, see figure "dynamic stiffness"
Mechanical loss factor	DIN 53513	0.28	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	1.6 %	Measured 30 minutes after decompression with 50 % deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	0.31 N/mm²	
Elongation at break	Based on DIN EN ISO 1798	220 %	
Tear resistance	Based on DIN ISO 34-1	1.2 N/mm	
Fire behaviour	DIN 4102 DIN EN 13501-1	B2 E	
Sliding friction	REGUPOL-laboratory REGUPOL-laboratory	0.7 0.8	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	14 kPa	Compressive stress at 25 % deformation test specimen h = 25 mm
Rebound elasticity	Based on DIN EN ISO 8307	34%	dependent on thickness, test specimen h = 25 mm
Force reduction	DIN EN 14904	49 %	dependent on thickness, test specimen h = 25 mm

Technical Data | **REGUFOAM vibration 150 plus** | Release 17.12.2024 | www.cmsdanskin.co.uk England & Wales: Unit 2, Lyncastle Road, Warrington, WA4 4SN | 01925 577711 | info@cmsdanskin.co.uk Scotland: 1 Netherton Road, Wishaw, North Lanarkshire, ML2 OEQ | 01698 356000 | enquiries@danskin.co.uk 0.85

2.50

740plus 0.45 680plus

0.22

510plus 0.11

0.055

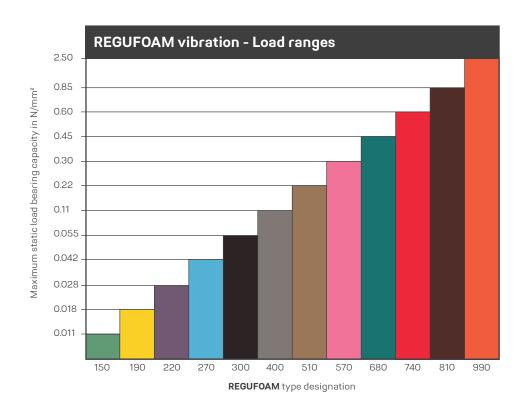
0.042

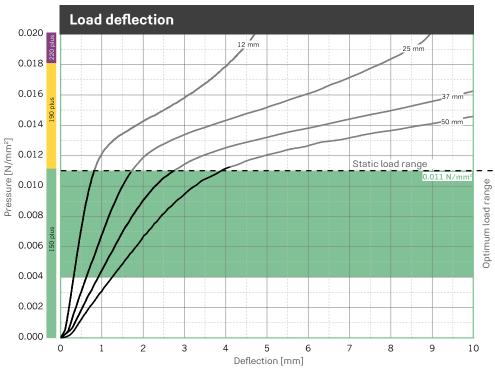
220plus 0.018

0.011

0.00

N/mm²





Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 300×300 mm.

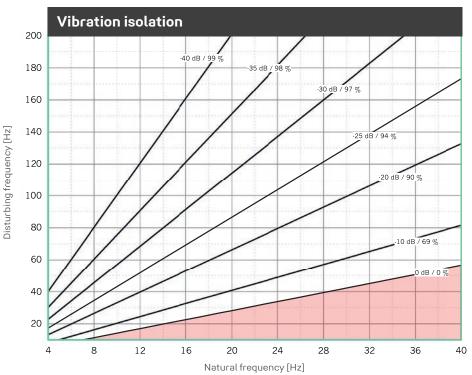
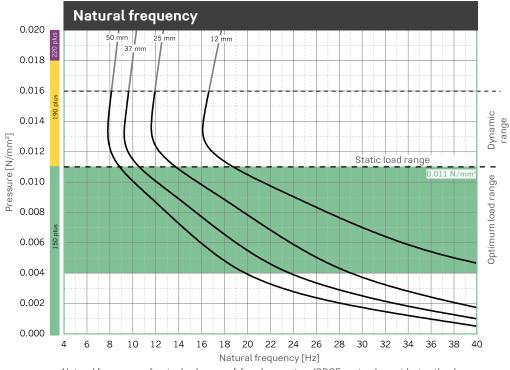


Illustration of the isolation efficiency of a single-degree-of-freedom system (SDOF system) on a rigid base with **REGUFOAM vibration 150 plus.** Parameter: power transmission (insertion loss) in dB, isolation factor in %.



Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of **REGUFOAM vibration 150plus** on a rigid base. Dimensions of test specimens 300×300 mm.

0.85
0.60
0.45
0.30
0.22
0.11
0.055
0.042
0.028

990plus

740plus

680plus

510plus

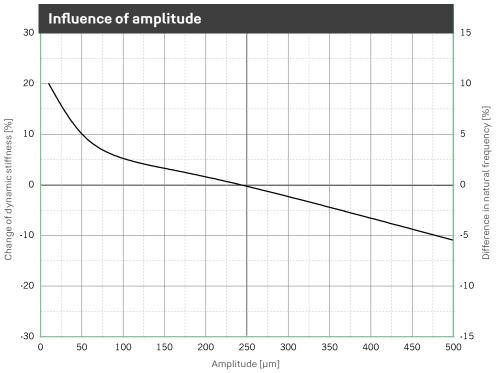
300plus

270plus

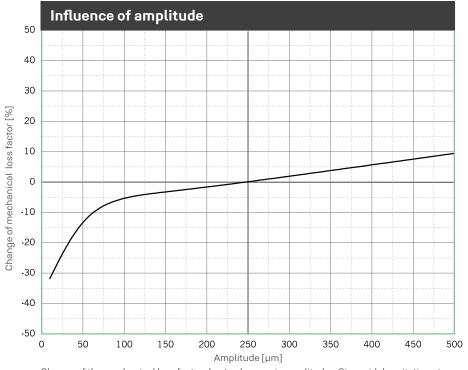
190 plus 220 plus

0.00

N/mm²



Change of the dynamic stiffness due to changes in amplitudes. Average for 5 Hz, 10 Hz and 40 Hz excitation. Sinusoidal excitation at a constant mean load of 0.011 N/mm², dimensions of the specimens $300 \times 300 \times 25$ mm. Natural frequency of a single-degree-of-freedom system (SDOF system) on a rigid base.



Change of the mechanical loss factor due to changes in amplitudes. Sinusoidal excitation at a constant mean load of 0.011 N/mm², dimensions of the specimens $300 \times 300 \times 25$ mm.

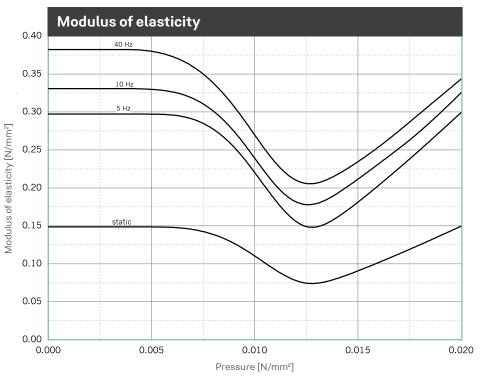


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of \pm 0.25 mm. Dimensions of specimens $300\times300\times25$ mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

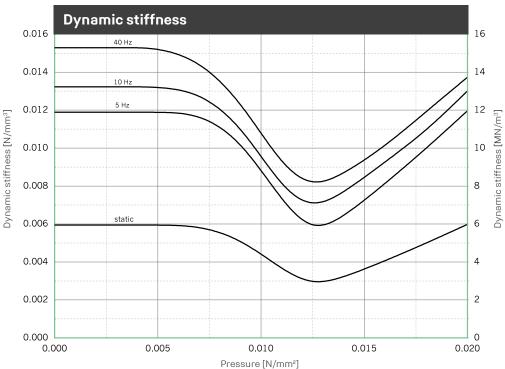


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of \pm 0.25 mm. Dimensions of specimens $300 \times 300 \times 25$ mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

0.85
0.60
0.45
0.30
0.22
0.11
0.055
0.042
0.028

990plus

740plus

680plus

570plus

510plus

400plus

300plus

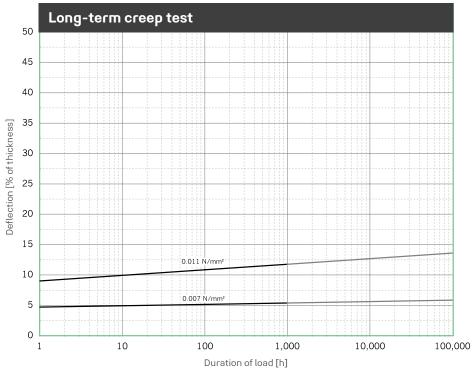
270plus

220plus

190plus

0.011

0.00 L



Dimensions of specimens 300 x 300 x 50 mm

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740plus

680plus

510plus

0.22

0.11

0.055

0.042

220plus

Forms of delivery

Rolls, ex warehouse

Thickness: 12.5 and 25 mm Length: 5,000 mm Width: 1,500 mm

Customized strips and pads, self-adhesive versions and special roll lengths available on request.

Technical details

Maximum static load bearing capacity

0.018 N/mm²

Maximum dynamic load bearing capacity for intermitted loadings

0 to 0.028 N/mm²

Rare, short term peak loads

up to 0.800 N/mm²

Certification

Cradle to Cradle Certified® is a registered trademark of the Cradle to Cradle Products Innovation Institute.

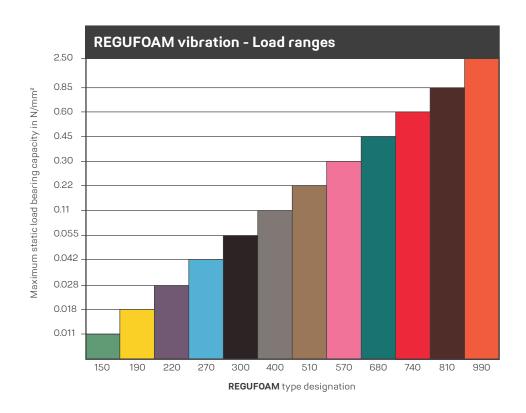


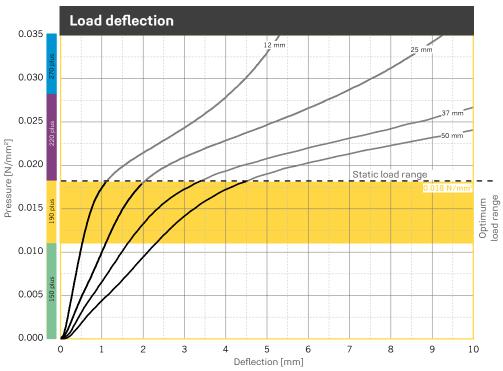


REGUFOAM vibration 190plus is Cradle to Cradle Certified® at the Bronze level.

Physical property	Norm	Result	Comment	0.018 -
Static modulus of elasticity	Based on EN 826	0.10 - 0.25 N/mm²	Tangential modulus, see figure "modulus of elasticity"	0.011 -
Dynamic modulus of elasticity	Based on DIN 53513	0.25 - 0.55 N/mm²	Depending on frequency, load and thickness, see figure "dynamic stiffness"	0.00
Mechanical loss factor	DIN 53513	0.25	Load-, amplitude- and frequency-dependent	N/mm
Compression set	Based on DIN EN ISO 1856	2.0 %	Measured 30 minutes after decompression with 50 % deformation / 23 °C after 72 hrs	_
Tensile strength	Based on DIN EN ISO 1798	0.4 N/mm²		-
Elongation at break	Based on DIN EN ISO 1798	220 %		_
Tear resistance	Based on DIN ISO 34-1	2.0 N/mm		-
Fire behaviour	DIN 4102 DIN EN 13501-1	B2 E		_
Sliding friction	REGUPOL-laboratory REGUPOL-laboratory	0.7 0.8	Steel (dry) Concrete (dry)	-
Compression hardness	Based on DIN EN ISO 3386-2	22 kPa	Compressive stress at 25 % deformation test specimen h = 25 mm	_
Rebound elasticity	Based on DIN EN ISO 8307	35 %	dependent on thickness, test specimen h = 25 mm	-
Force reduction	DIN EN 14904	61 %	dependent on thickness, test specimen h = 25 mm	-

Technical Data | **REGUFOAM vibration 190plus** | Release 17.12.2024 | www.cmsdanskin.co.uk England & Wales: Unit 2, Lyncastle Road, Warrington, WA4 4SN | 01925 577711 | info@cmsdanskin.co.uk Scotland: 1 Netherton Road, Wishaw, North Lanarkshire, ML2 OEQ | 01698 356000 | enquiries@danskin.co.uk





Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 300×300 mm.

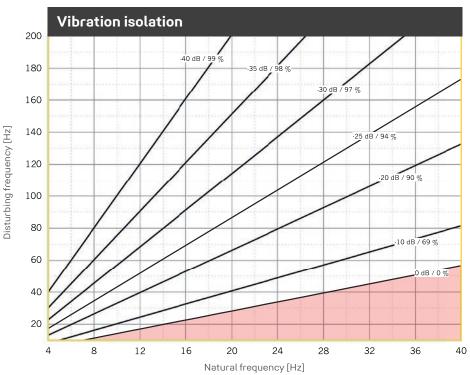
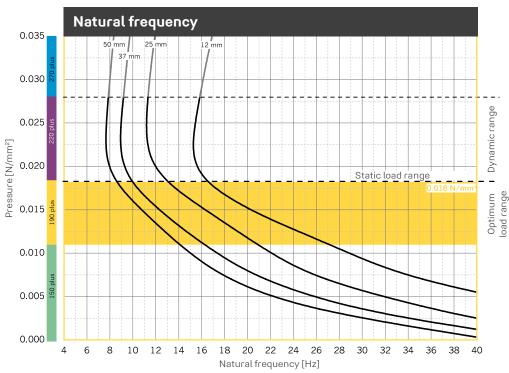


Illustration of the isolation efficiency of a single-degree-of-freedom system (SDOF system) on a rigid base with **REGUFOAM vibration 190 plus.** Parameter: power transmission (insertion loss) in dB, isolation factor in %.



Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of **REGUFOAM vibration 190 plus** on a rigid base. Dimensions of test specimens 300×300 mm.

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990plus

740plus

680plus

510plus

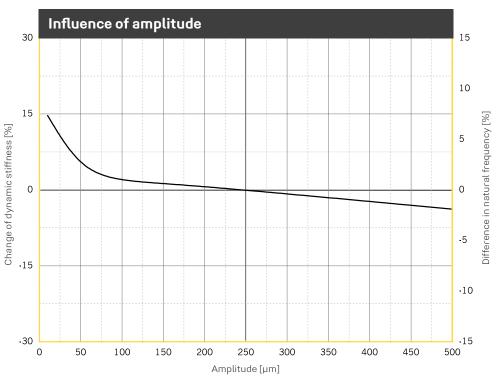
300plus

270plus

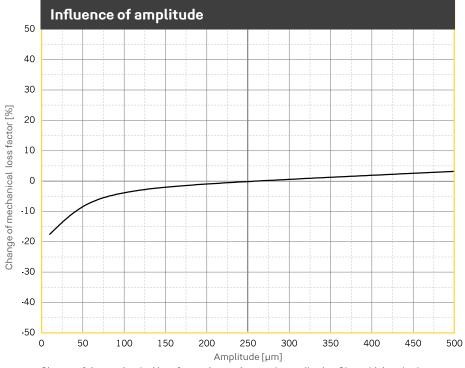
220plus

0.00

N/mm²



Change of the dynamic stiffness due to changes in amplitudes. Average for 5 Hz, 10 Hz and 40 Hz excitation. Sinusoidal excitation at a constant mean load of 0.018 N/mm², dimensions of the specimens $300 \times 300 \times 25$ mm. Natural frequency of a single-degree-of-freedom system (SDOF system) on a rigid base.



Change of the mechanical loss factor due to changes in amplitudes. Sinusoidal excitation at a constant mean load of 0.018 N/mm², dimensions of the specimens $300 \times 300 \times 25$ mm.

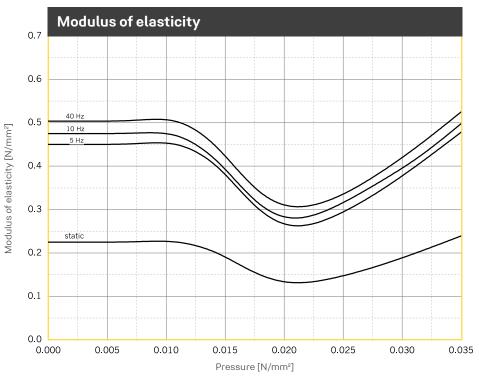


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of \pm 0.25 mm. Dimensions of specimens $300 \times 300 \times 25$ mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

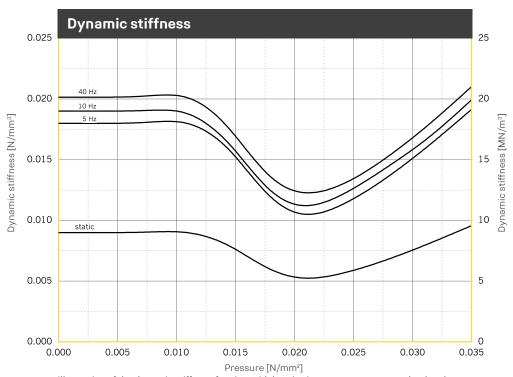


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of \pm 0.25 mm. Dimensions of specimens $300\times300\times25$ mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

990plus

740plus

680plus

510plus

400plus

300plus

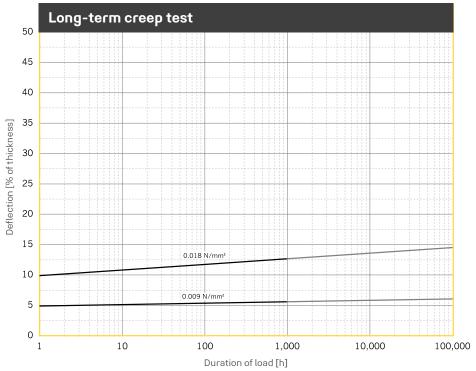
270plus

220plus

150plus

0.00 L

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Dimensions of specimens 300 x 300 x 50 mm

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Forms of delivery

Rolls, ex warehouse

Thickness: 12.5 and 25 mm 5,000 mm Length: Width: 1,500 mm

Customized strips and pads, self-adhesive versions and special roll lengths available on request.

Technical details

Maximum static load bearing capacity

0.028 N/mm²

Maximum dynamic load bearing capacity for intermitted loadings

0 to 0.040 N/mm²

Rare, short term peak loads

up to 0.900 N/mm²

Certification

Force reduction

Cradle to Cradle Certified® is a registered trademark of the Cradle to Cradle Products Innovation Institute.





REGUFOAM vibration 220 plus is Cradle to Cradle Certified® at the Bronze level.

Norm	Result	Comment
Based on EN 826	0.15 - 0.35 N/mm²	Tangential modulus, see figure "modulus of elasticity"
Based on DIN 53513	0.35 - 0.72 N/mm²	Depending on frequency, load and thickness, see figure "dynamic stiffness"
DIN 53513	0.22	Load-, amplitude- and frequency-dependent
Based on DIN EN ISO 1856	2.3 %	Measured 30 minutes after decompression with 50 % deformation / 23 °C after 72 hrs
Based on DIN EN ISO 1798	0.5 N/mm²	
Based on DIN EN ISO 1798	180 %	
Based on DIN ISO 34-1	2.1 N/mm	
DIN 4102 DIN EN 13501-1	B2 E	
REGUPOL-laboratory REGUPOL-laboratory	0.7 0.8	Steel (dry) Concrete (dry)
Based on DIN EN ISO 3386-2	39 kPa	Compressive stress at 25 % deformation test specimen h = 25 mm
Based on DIN EN ISO 8307	47 %	dependent on thickness, test specimen h = 25 mm
	Based on EN 826 Based on DIN 53513 DIN 53513 Based on DIN EN ISO 1856 Based on DIN EN ISO 1798 Based on DIN EN ISO 1798 Based on DIN ISO 34-1 DIN 4102 DIN EN 13501-1 REGUPOL-laboratory REGUPOL-laboratory Based on DIN EN ISO 3386-2 Based on	Based on EN 826 0.15 - 0.35 N/mm² Based on DIN 53513 0.35 - 0.72 N/mm² DIN 53513 0.22 Based on DIN ISO 1856 0.5 N/mm² Based on DIN ISO 1798 180 % Based on DIN ISO 1798 2.1 N/mm Based on DIN ISO 34-1 2.1 N/mm DIN EN 13501-1 E REGUPOL-laboratory REGUPOL-laboratory O.8 0.8 Based on DIN ISO 3386-2 39 kPa Based on Annual Park 47 %

Technical Data | **REGUFOAM vibration 220 plus** | Release 17.12.2024 | www.cmsdanskin.co.uk England & Wales: Unit 2, Lyncastle Road, Warrington, WA4 4SN | 01925 577711 | info@cmsdanskin.co.uk Scotland: 1 Netherton Road, Wishaw, North Lanarkshire, ML2 OEQ | 01698 356000 | enquiries@danskin.co.uk

DIN EN 14904

dependent on thickness, test specimen h = 25 mm

0.042

2.50

0.85

0.45

0.30

0.22

0.11

0.055

740plus

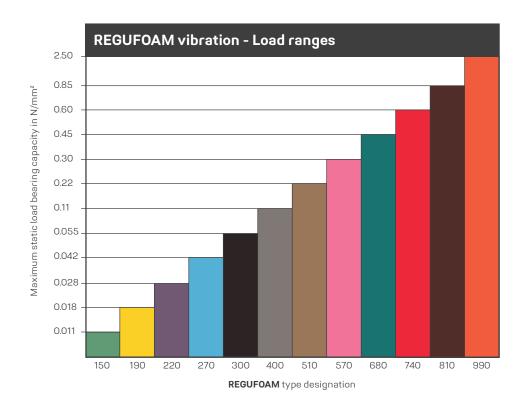
680plus

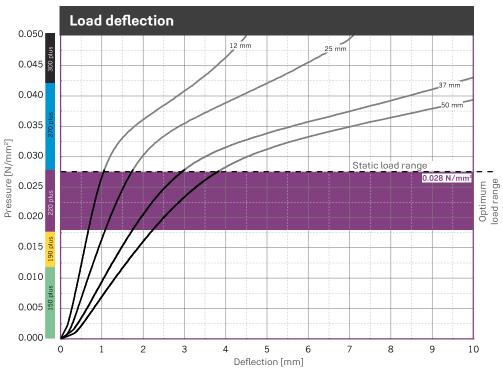
510plus

0.018 190plus

0.00

N/mm²





Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 300×300 mm.

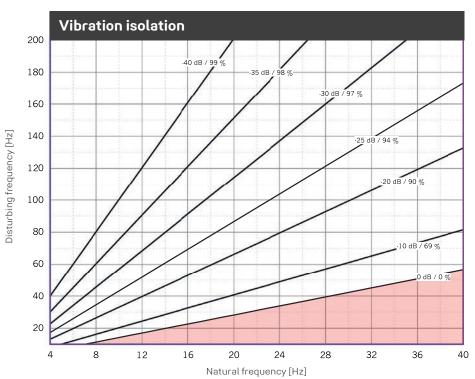
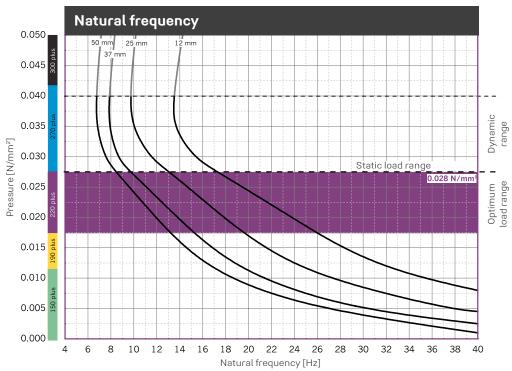


Illustration of the isolation efficiency of a single-degree-of-freedom system (SDOF system) on a rigid base with **REGUFOAM vibration 220plus.** Parameter: power transmission (insertion loss) in dB, isolation factor in %.



Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of **REGUFOAM vibration 220plus** on a rigid base. Dimensions of test specimens 300×300 mm.

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2.50

990plus

740plus

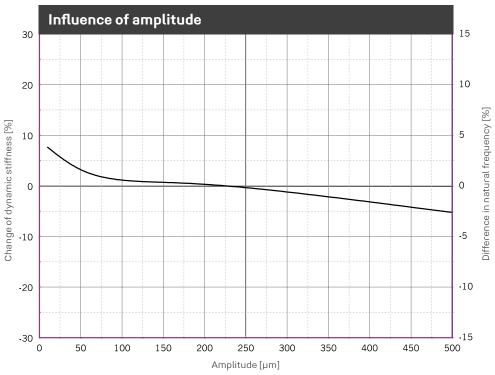
680plus

510plus

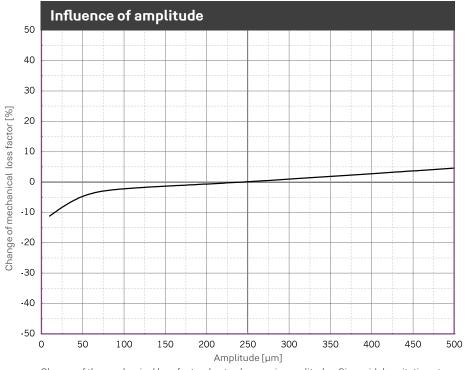
300plus

190plus

N/mm²



Change of the dynamic stiffness due to changes in amplitudes. Average for 5 Hz, 10 Hz and 40 Hz excitation. Sinusoidal excitation at a constant mean load of 0.028 N/mm², dimensions of the specimens $300 \times 300 \times 25$ mm. Natural frequency of a single-degree-of-freedom system (SDOF system) on a rigid base.



Change of the mechanical loss factor due to changes in amplitudes. Sinusoidal excitation at a constant mean load of $0.028 \, \text{N/mm}^2$, dimensions of the specimens $300 \, \text{x} \, 300 \, \text{x} \, 25 \, \text{mm}$.

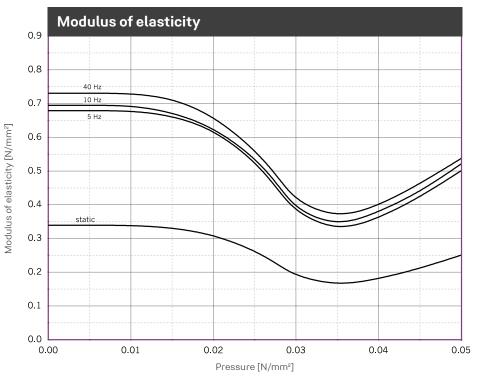


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of \pm 0.25 mm. Dimensions of specimens $300\times300\times25$ mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

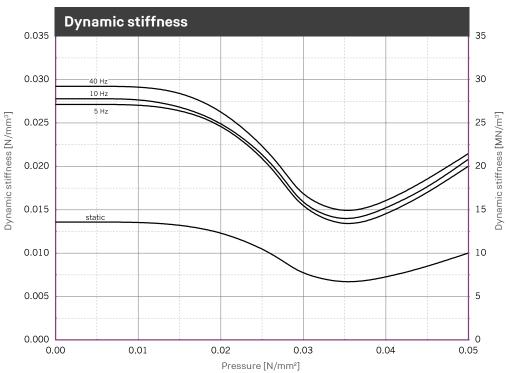


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of \pm 0.25 mm. Dimensions of specimens 300 x 300 x 25 mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

990plus

740plus

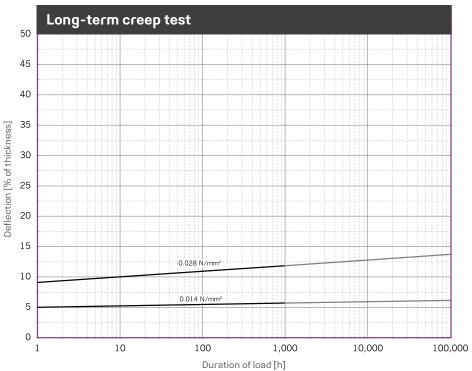
680plus

510plus

400plus

300plus

0.00 L



Dimensions of specimens 300 x 300 x 50 mm

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740plus

680plus

510plus

0.22

0.11

0.055

0.042

220plus

190plus

Forms of delivery

Rolls, ex warehouse

Thickness: 12.5 and 25 mm Length: 5,000 mm Width: 1,500 mm

Customized strips and pads, self-adhesive versions and special roll lengths available on request.

Technical details

Maximum static load bearing capacity

0.042 N/mm²

Maximum dynamic load bearing capacity for intermitted loadings

0 to 0.062 N/mm²

Rare, short term peak loads

up to 1.200 N/mm²

Certification

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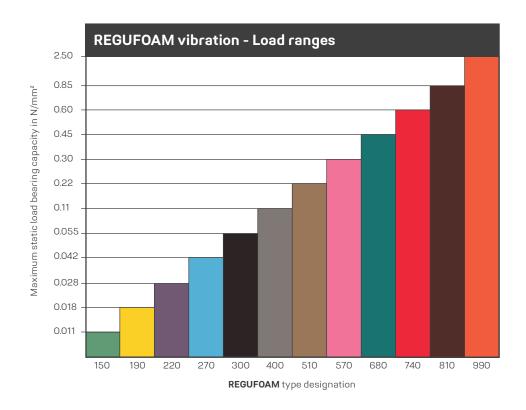


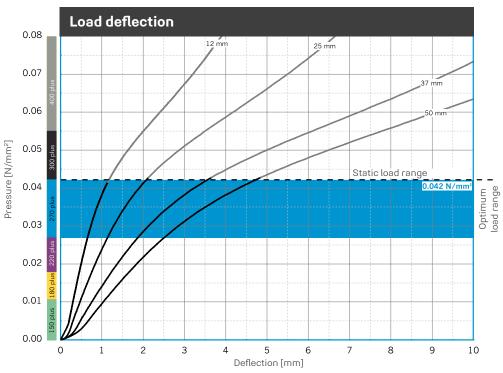


REGUFOAM vibration 270 plus is Cradle to Cradle Certified® at the Bronze level.

Physical property	Norm	Result	Comment	0.018 -	-
Static modulus of elasticity	Based on EN 826	0.25 - 0.45 N/mm²	Tangential modulus, see figure "modulus of elasticity"	0.011	10001
Dynamic modulus of elasticity	Based on DIN 53513	0.60 - 1.05 N/mm²	Depending on frequency, load and thickness, see figure "dynamic stiffness"	0.00	1509110
Mechanical loss factor	DIN 53513	0.2	Load-, amplitude- and frequency-dependent	N/mn	n²
Compression set	Based on DIN EN ISO 1856	3.2 %	Measured 30 minutes after decompression with 50 % deformation / 23 °C after 72 hrs	-	
Tensile strength	Based on DIN EN ISO 1798	0.9 N/mm²		-	
Elongation at break	Based on DIN EN ISO 1798	210 %		-	
Tear resistance	Based on DIN ISO 34-1	4.5 N/mm		-	
Fire behaviour	DIN 4102 DIN EN 13501-1	B2 E		-	
Sliding friction	REGUPOL-laboratory REGUPOL-laboratory	0.7 0.8	Steel (dry) Concrete (dry)	-	
Compression hardness	Based on DIN EN ISO 3386-2	63 kPa	Compressive stress at 25 % deformation test specimen h = 25 mm	-	
Rebound elasticity	Based on DIN EN ISO 8307	38 %	dependent on thickness, test specimen h = 25 mm	-	
Force reduction	DIN EN 14904	70 %	dependent on thickness, test specimen h = 25 mm	-	

Technical Data | **REGUFOAM vibration 270plus** | Release 17.12.2024 | www.cmsdanskin.co.uk England & Wales: Unit 2, Lyncastle Road, Warrington, WA4 4SN | 01925 577711 | info@cmsdanskin.co.uk Scotland: 1 Netherton Road, Wishaw, North Lanarkshire, ML2 OEQ | 01698 356000 | enquiries@danskin.co.uk





Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 300×300 mm.

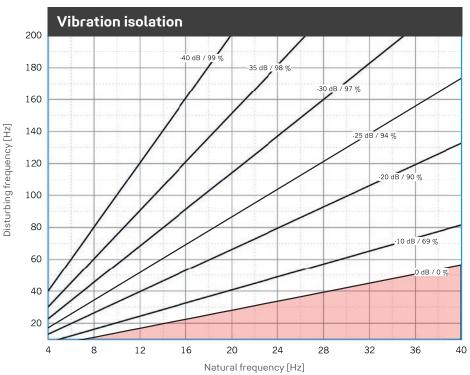
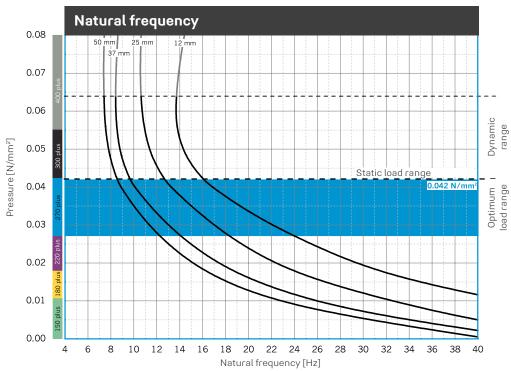


Illustration of the isolation efficiency of a single-degree-of-freedom system (SDOF system) on a rigid base with **REGUFOAM vibration 270 plus.** Parameter: power transmission (insertion loss) in dB, isolation factor in %.



Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of **REGUFOAM vibration 270 plus** on a rigid base. Dimensions of test specimens 300×300 mm.

0.85 -0.60 -0.45 -0.30 -0.22 -0.11 -0.055 -0.042 -0.018 -0.011 --

2.50

990plus

740plus

680plus

510plus

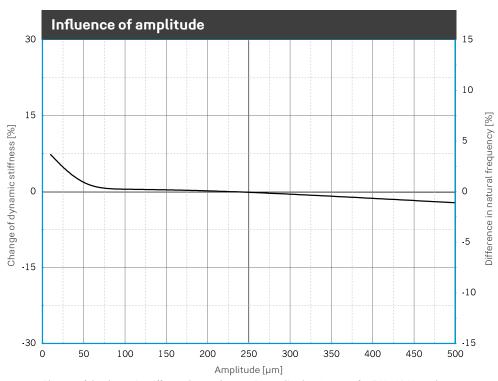
300plus

220plus

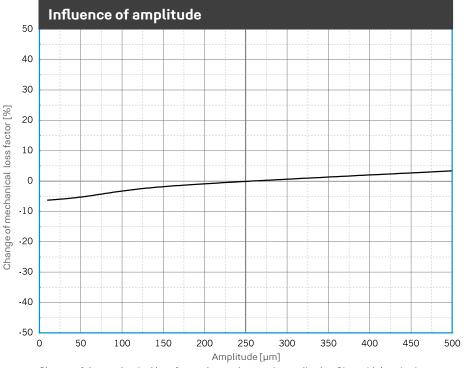
190plus

N/mm²

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Change of the dynamic stiffness due to changes in amplitudes. Average for 5 Hz, 10 Hz and 40 Hz excitation. Sinusoidal excitation at a constant mean load of 0.042 N/mm², dimensions of the specimens $300 \times 300 \times 25$ mm. Natural frequency of a single-degree-of-freedom system (SDOF system) on a rigid base.



Change of the mechanical loss factor due to changes in amplitudes. Sinusoidal excitation at a constant mean load of $0.042 \, \text{N/mm}^2$, dimensions of the specimens $300 \, \text{x} \, 300 \, \text{x} \, 25 \, \text{mm}$.

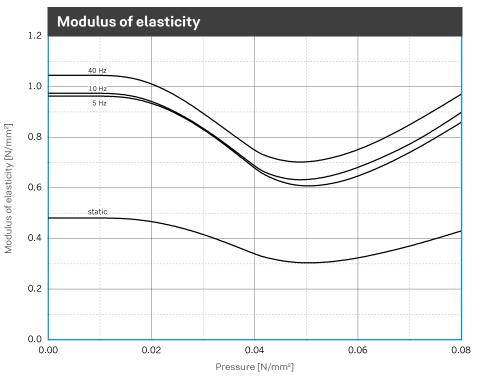


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of \pm 0.25 mm. Dimensions of specimens $300\times300\times25$ mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

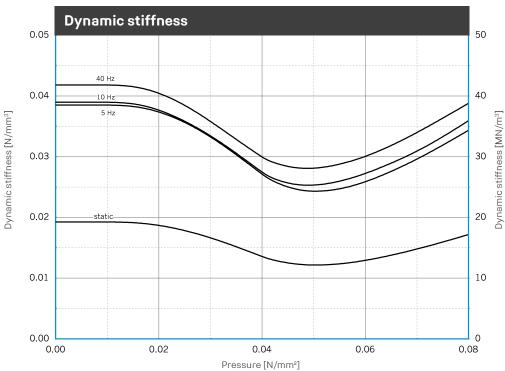
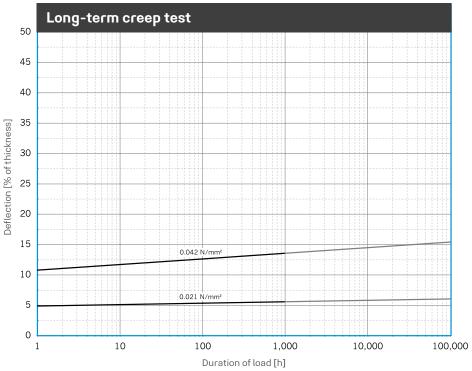


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of \pm 0.25 mm. Dimensions of specimens 300 x 300 x 25 mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

N/mm²



Dimensions of specimens 300 x 300 x 50 mm

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2.50

0.85

0.45

0.30

0.22

0.11

0.055

220plus

190plus

0.018

0.011

0.00 L

680plus

Forms of delivery

Rolls, ex warehouse

Thickness: 12.5 and 25 mm Length: 5,000 mm Width: 1,500 mm

Customized strips and pads, self-adhesive versions and special roll lengths available on request.

Technical details

Maximum static load bearing capacity

0.055 N/mm²

Maximum dynamic load bearing capacity for intermitted loadings

0 to 0.080 N/mm²

Rare, short term peak loads

up to 2.000 N/mm²

Certification

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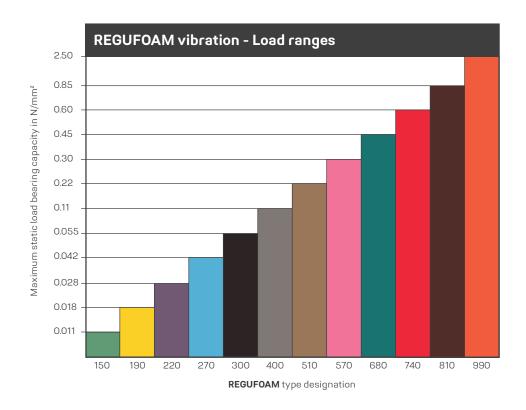


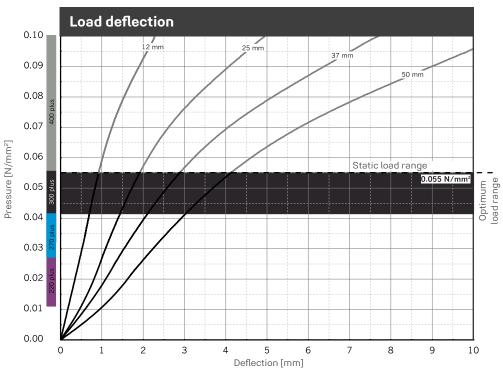


REGUFOAM vibration 300 plus is Cradle to Cradle Certified® at the Bronze level.

Physical property	Norm	Result	Comment	-
Static modulus of elasticity	Based on EN 826	0.35 - 0.58 N/mm²	Tangential modulus, see figure "modulus of elasticity"	
Dynamic modulus of elasticity	Based on DIN 53513	0.68 - 1.25 N/mm²	Depending on frequency, load and thickness, see figure "dynamic stiffness"	
Mechanical loss factor	DIN 53513	0.18	Load-, amplitude- and frequency-dependent	
Compression set	Based on DIN EN ISO 1856	3.4 %	Measured 30 minutes after decompression with 50 % deformation / 23 °C after 72 hrs	
Tensile strength	Based on DIN EN ISO 1798	1.2 N/mm²		
Elongation at break	Based on DIN EN ISO 1798	240 %		
Tear resistance	Based on DIN ISO 34-1	4.8 N/mm		
Fire behaviour	DIN 4102 DIN EN 13501-1	B2 E		
Sliding friction	REGUPOL-laboratory REGUPOL-laboratory	0.6 0.75	Steel (dry) Concrete (dry)	
Compression hardness	Based on DIN EN ISO 3386-2	82 kPa	Compressive stress at 25 % deformation test specimen h = 25 mm	
Rebound elasticity	Based on DIN EN ISO 8307	44 %	dependent on thickness, test specimen h = 25 mm	
Force reduction	DIN EN 14904	72 %	dependent on thickness, test specimen h = 25 mm	

Technical Data | **REGUFOAM vibration 300plus** | Release 17.12.2024 | www.cmsdanskin.co.uk England & Wales: Unit 2, Lyncastle Road, Warrington, WA4 4SN | 01925 577711 | info@cmsdanskin.co.uk Scotland: 1 Netherton Road, Wishaw, North Lanarkshire, ML2 OEQ | 01698 356000 | enquiries@danskin.co.uk





Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 300×300 mm.

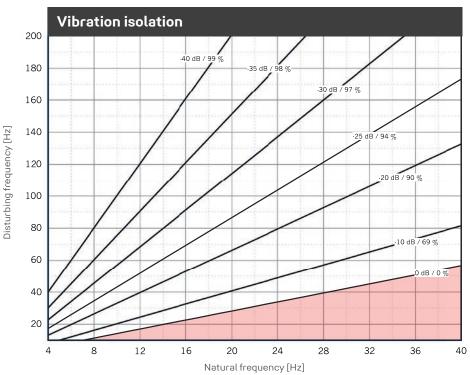
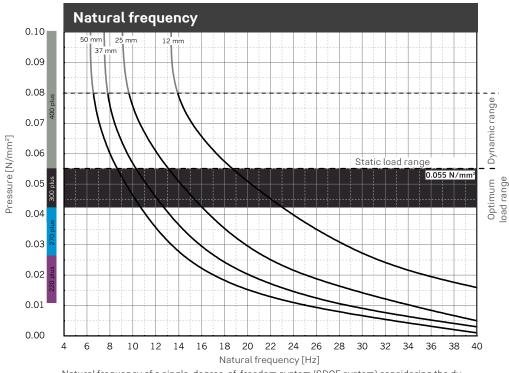


Illustration of the isolation efficiency of a single-degree-of-freedom system (SDOF system) on a rigid base with **REGUFOAM vibration 300plus.** Parameter: power transmission (insertion loss) in dB, isolation factor in %.



Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of **REGUFOAM vibration 300 plus** on a rigid base. Dimensions of test specimens 300×300 mm.

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990plus

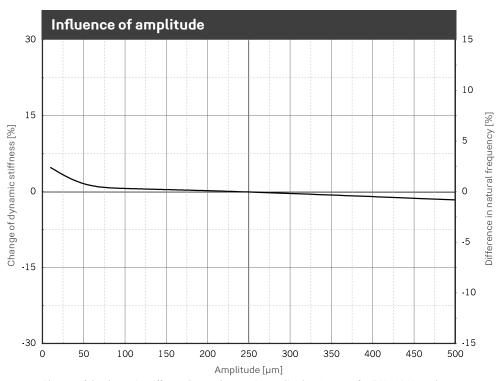
740plus

680plus

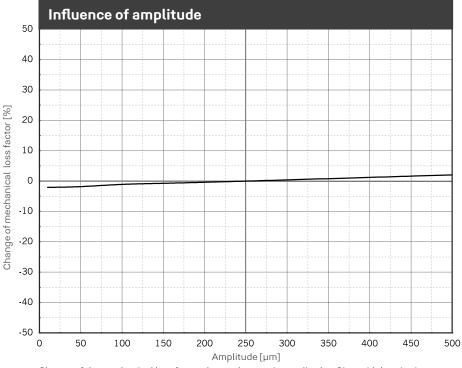
0.00

220plus

190plus



Change of the dynamic stiffness due to changes in amplitudes. Average for 5 Hz, 10 Hz and 40 Hz excitation. Sinusoidal excitation at a constant mean load of 0.055 N/mm², dimensions of the specimens $300 \times 300 \times 25$ mm. Natural frequency of a single-degree-of-freedom system (SDOF system) on a rigid base.



Change of the mechanical loss factor due to changes in amplitudes. Sinusoidal excitation at a constant mean load of $0.055 \, \text{N/mm}^2$, dimensions of the specimens $300 \, \text{x} \, 300 \, \text{x} \, 25 \, \text{mm}$.

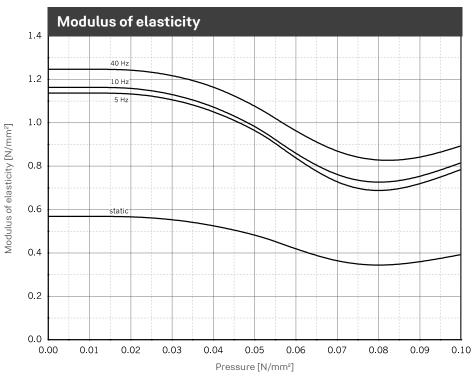


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of \pm 0.25 mm. Dimensions of specimens $300 \times 300 \times 25$ mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

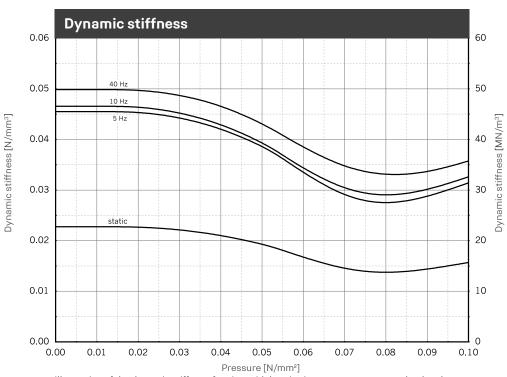


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of \pm 0.25 mm. Dimensions of specimens $300\times300\times25$ mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

2.50

990plus

740plus

680plus

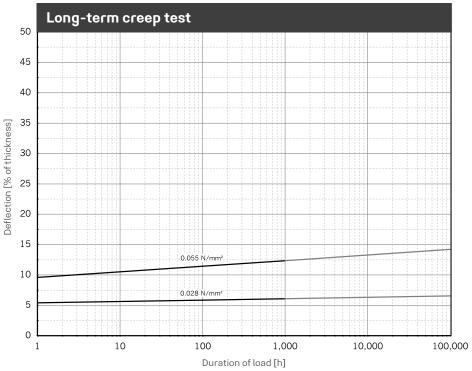
220plus

190plus

150plus

0.00

N/mm²



Dimensions of specimens 300 x 300 x 50 mm

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Forms of delivery

Sheets, ex warehouse

Thickness: 12.5 and 25 mm 1,500 mm Length: Width: 1,000 mm

Customized strips and pads, self-adhesive versions and special roll lengths available on request.

Technical details

Maximum static load bearing capacity

0.110 N/mm²

Maximum dynamic load bearing capacity for intermitted loadings

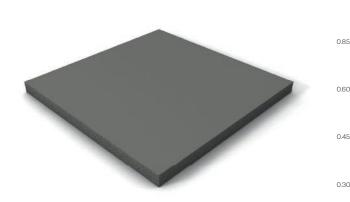
0 to 0.160 N/mm²

Rare, short term peak loads

up to 3.000 N/mm²

Certification

Cradle to Cradle Certified® is a registered trademark of the Cradle to Cradle Products Innovation Institute.





REGUFOAM vibration 400 plus is Cradle to Cradle Certified® at the Bronze level.

Physical property	Norm	Result	Comment
Static modulus of elasticity	Based on EN 826	0.6 - 1.0 N/mm²	Tangential modulus, see figure "modulus of elasticity"
Dynamic modulus of elasticity	Based on DIN 53513	1.2 - 2.0 N/mm²	Depending on frequency, load and thickness, see figure "dynamic stiffness"
Mechanical loss factor	DIN 53513	0.17	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	3.9 %	Measured 30 minutes after decompression with 50 % deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	1.5 N/mm²	
Elongation at break	Based on DIN EN ISO 1798	220 %	
Tear resistance	Based on DIN ISO 34-1	6.0 N/mm	
Fire behaviour	DIN 4102 DIN EN 13501-1	B2 E	
Sliding friction	REGUPOL-laboratory REGUPOL-laboratory	0.7 0.8	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	170 kPa	Compressive stress at 25 % deformation test specimen h = 25 mm
Rebound elasticity	Based on DIN EN ISO 8307	57 %	dependent on thickness, test specimen h = 25 mm
Force reduction	DIN EN 14904	68 %	dependent on thickness, test specimen h = 25 mm

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1|6

0.85 740plus

2.50

680plus 0.30

0.22

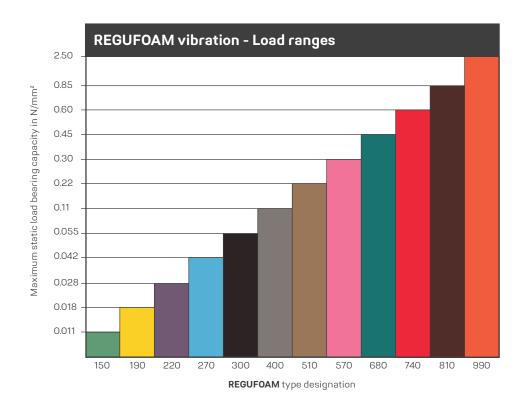
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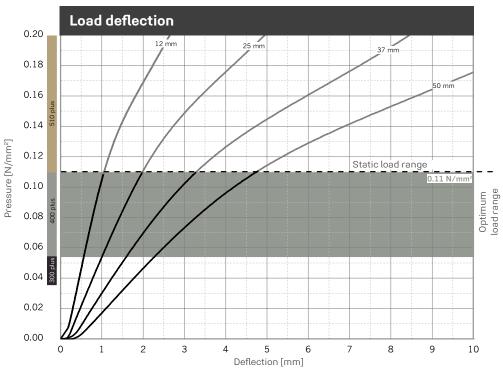
0.055

0.042

220plus 0.018 190plus

N/mm²





Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 300×300 mm.

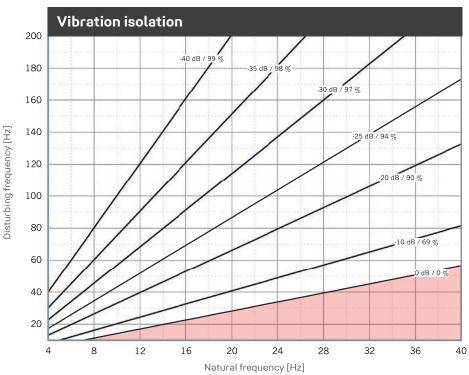
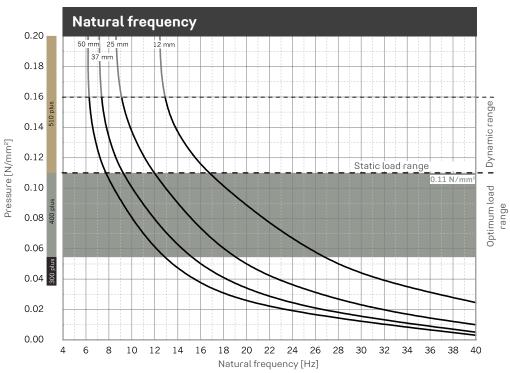


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Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of **REGUFOAM vibration 400 plus** on a rigid base. Dimensions of test specimens 300×300 mm.

0.85
0.60
0.45
0.30
0.22
0.11
0.055
0.042
0.028
0.018

2.50

990plus

740plus

680plus

300plus

270plus

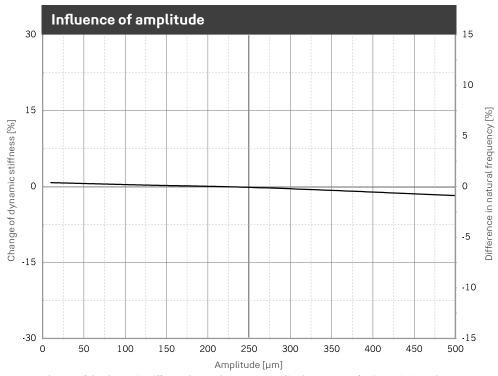
220plus

190plus

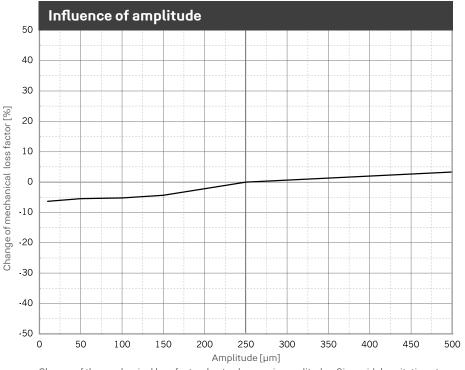
150plus

0.00 L

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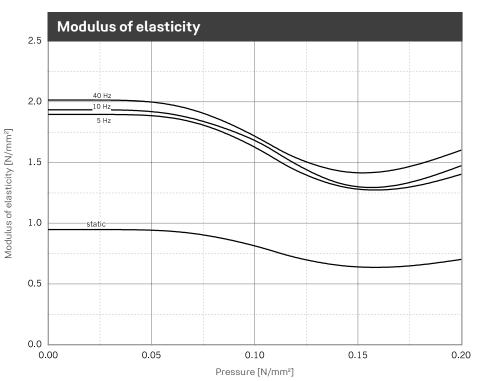


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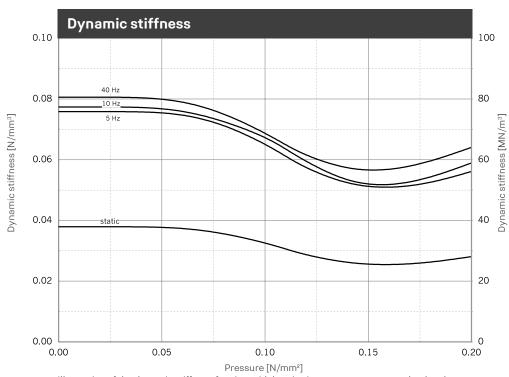
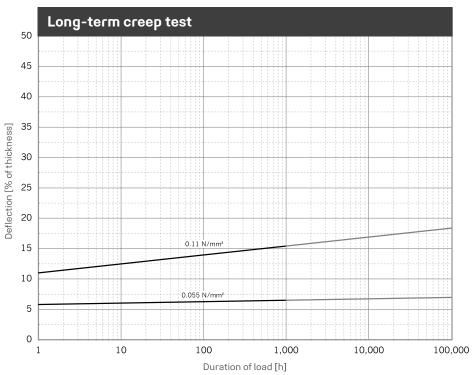


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of \pm 0.25 mm. Dimensions of specimens $300\times300\times25$ mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

0.00

N/mm²



Dimensions of specimens 300 x 300 x 50 mm

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