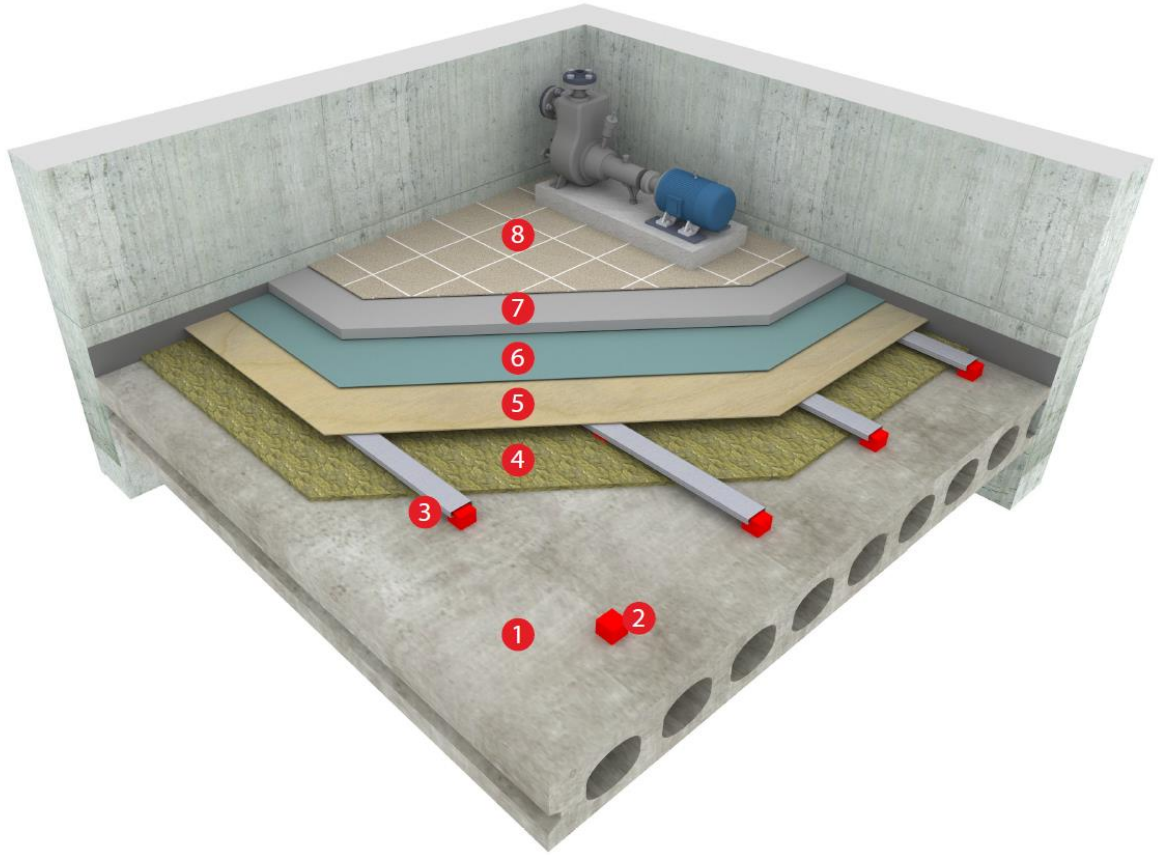


VIBRAFOAM BEARING

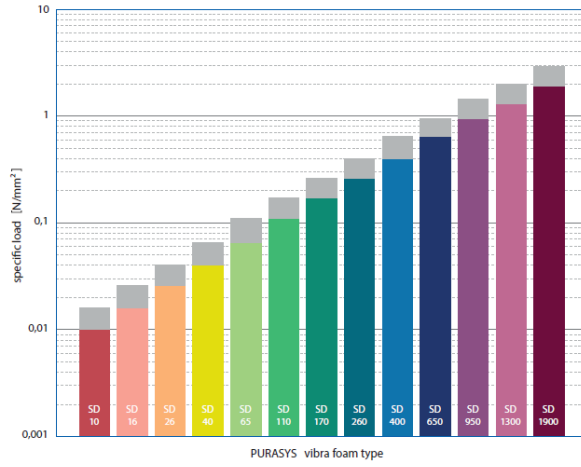
VIBRAFOAM BEARING serisi ürünleri, özel üretim poliüretan kauçuğu ya da geri dönüştürülmüş kauçuk ürünlerinden imal edilmiştir. Mekanik cihazların titreşimlerinin sönmelenmesinde ve yüzer döşeme uygulamalarında kullanılırlar. Uygulama yapılacak her cihaz ya da mahal için ayrı değerlendirmeler ve hesaplamalar yapılarak doğru model ürün, doğru ölçü ve uygulama ölçüleriyle belirlenir.

VIBRAFOAM BEARING series products are produced from special PU rubber or recycled rubber. These bearings are used as an antivibration product for mechanical machines and also floating floor applications for different places. Every machine or floating floor area would be calculated and evaluated to select right product with right dimensions and right application designs.



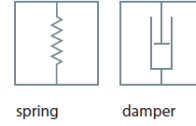
- 1- MEVCUT DÖŞEME / EXISTING FLOOR
- 2- VIBRAFOAM BEARING
- 3- GALVANİZ AKUSTİK PROFİL / GALVANIZED ACOUSTIC PROFILE
- 4- TAŞYÜNÜ / ROCKWOOL
- 5- PLYWOOD
- 6- PE FILM
- 7- DONATILI ŞAP / REINFORCED SCREED
- 8- BİTİŞ MALZEMESİ / FINISHING MATERIAL

VIBRAFOAM



Material mixed cellular polyether-urethane

Characteristic



spring

damper

Delivery specifications

Thickness: 12.5 mm and 25 mm

Mats: 0.5 m wide, 2.0 m long

Stripes: max. 2.0 m long

Other dimensions on request
(also stamping parts, moulded parts).

Properties	SD 10	SD 16	SD 26	SD 40	SD 65	SD 110	SD 170	SD 260	SD 400	SD 650	SD 950	SD 1300	1900	Test method
Colour	red	pink	orange	yellow	bright green	green	dark green	petrol	blue	dark blue	dark violet	violet	bordeaux red	
Static loads [N/mm ²] ⁽¹⁾	0.010	0.016	0.026	0.040	0.065	0.110	0.170	0.260	0.400	0.650	0.950	1.300	1.900	
Dynamic loads [N/mm ²] ⁽¹⁾	0.016	0.026	0.040	0.065	0.110	0.170	0.260	0.400	0.650	0.950	1.450	2.000	2.800	
Load peaks [N/mm ²] ⁽¹⁾	0.5	0.7	1.0	2.0	2.5	3.0	3.5	4.0	4.5	5.5	6.0	6.5	7.0	
Mechanical loss factor ⁽²⁾	0.25	0.24	0.22	0.15	0.18	0.12	0.13	0.11	0.10	0.10	0.10	0.09	0.09	DIN 53513 ⁽³⁾
Static E-modulus [N/mm ²] ⁽²⁾	0.048	0.111	0.129	0.316	0.453	0.861	0.931	1.64	2.72	4.57	8.16	12.0	20.4	DIN 53513 ⁽³⁾
Dynamic E-modulus [N/mm ²] ⁽²⁾	0.144	0.328	0.443	0.743	1.06	1.86	2.27	3.63	5.27	10.4	21.5	35.2	78.2	DIN 53513 ⁽³⁾
Static shear modulus [N/mm ²] ⁽²⁾	0.04	0.07	0.09	0.13	0.17	0.21	0.29	0.41	0.53	0.68	0.93	1.23	1.75	DIN 53513 ⁽³⁾
Dynamic shear modulus [N/mm ²] ⁽²⁾	0.09	0.14	0.17	0.24	0.33	0.49	0.73	1.00	1.15	1.85	2.84	3.51	6.00	DIN 53513 ⁽³⁾
Resistance to strain at 10% deformation [N/mm ²]	0.011	0.018	0.026	0.046	0.073	0.130	0.170	0.270	0.370	0.590	0.930	1.340	1.840	
Residual compression set [%]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 7	< 9	< 9	< 8	DIN ISO 1856
Tensile strength [N/mm ²]	> 0.35	> 0.40	> 0.45	> 0.55	> 0.70	> 0.95	> 1.25	> 1.65	> 2.25	> 3.00	> 3.80	> 4.40	> 5.00	DIN 53455-6-4
Elongation at break [%]	> 400	> 400	> 400	> 400	> 400	> 400	> 400	> 400	> 400	> 400	> 400	> 400	> 400	DIN 53455-6-4
Tear resistance [N/mm]	> 0.6	> 0.7	> 0.9	> 1.1	> 1.3	> 1.9	> 2.5	> 2.9	> 3.2	> 3.8	> 5.2	> 5.4	> 6.0	DIN ISO 34-1/A
Rebound elasticity [%]	50	50	50	50	50	50	50	45	45	45	45	40	40	DIN EN ISO 8307
Specific volume resistance [Ω-cm]	> 10 ¹²	> 10 ¹²	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	DIN IEC 93
Thermal conductivity [W/m-K]	0.05	0.05	0.06	0.07	0.07	0.08	0.08	0.10	0.10	0.10	0.11	0.11	0.11	DIN 52612-1
Operating temperature [°C]	- 30 to + 70													
Temperature peak [°C]	+ 120													
Inflammability	Class E / EN 13501-1													EN ISO 11925-1

VIBRAFOAM serisi ürünleri, gerekli titreşim izolasyonunu sağlamak üzere farklı ölçülerde (en x boy x yükseklik) üretilebilirler. VIBRAFOAM serisi ürünleri, ölçülerine göre özel üretilmiş GAP profilleri ile birlikte kullanılarak yüzer döşeme uygulamalarında yüksek verimlilikle izolasyon değerlerine sahip, kolay, hızlı uygulanabilen ve ekonomik çözümler sunar.

VIBRAFOAM series products would be produce with different dimensions (length, width and height) to provide requested vibration insulation values. VIBRAFOAM series products, offers easy, economical and fast applicable designs with special dimensioned galvanized GAP profiles fits to bearings.