

Walraven VibraTek® PR-T Rubber Tile Pad

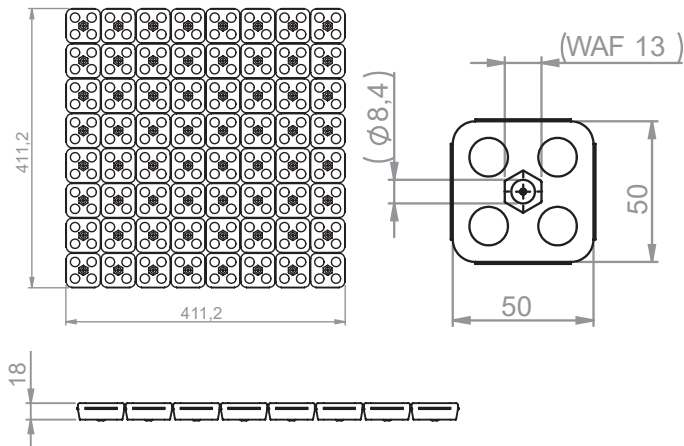
A versatile rubber tile pad for general vibroacoustic isolation applications



Features and Benefits

- Ideal for use as an elastic isolating support for equipment and metal structures
- Supplied as a mat of 64 blocks (8 x 8) joined by a membrane
- Individual 50 x 50 mm pieces can be easily cut to form required support shape
- Transforms to elastic base support when used with a hexagon head screw
- Reusable in the event of machine relocation
- Simple to cut and install
- Hardness 45 Shore A
- Working temperature range -20 °C till 90 °C

Technical Drawing



Applications

- Compressors, fans, pumps, other building service machinery

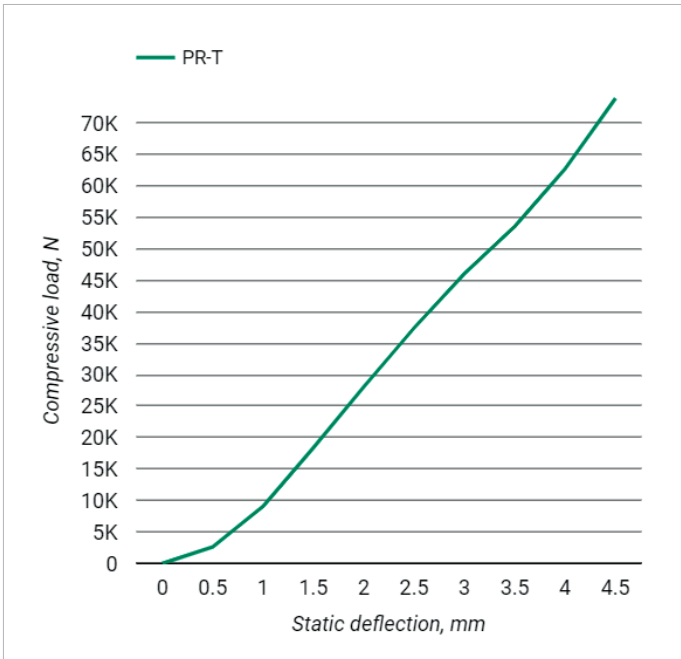
1. Product and packaging details

Part No.	Description	Dimension (mm)	Piece		Pack 1	
			(pcs)	EAN13	(pcs)	EAN13
2801200400	PR-T Rubber Tile Pad (x64)	400 x 400	1	8719942047593	5	8719942047616

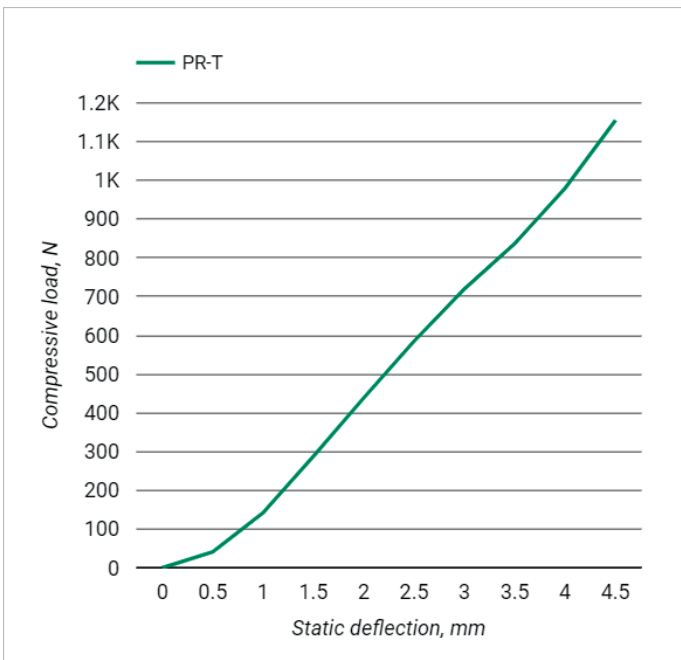
2. Performance data

Part No.	Description	Dimension (mm)	Max. deflection (mm)	Min. load (N)	Max. load (N)	Optimal load (N)
2801200400	PR-T Rubber Tile Pad (x64)	400 x 400	4.5	2500	74000	9000-52000
	PR-T Rubber Tile Pad (x1)	50 x 50	4.5	39	1156	140-812

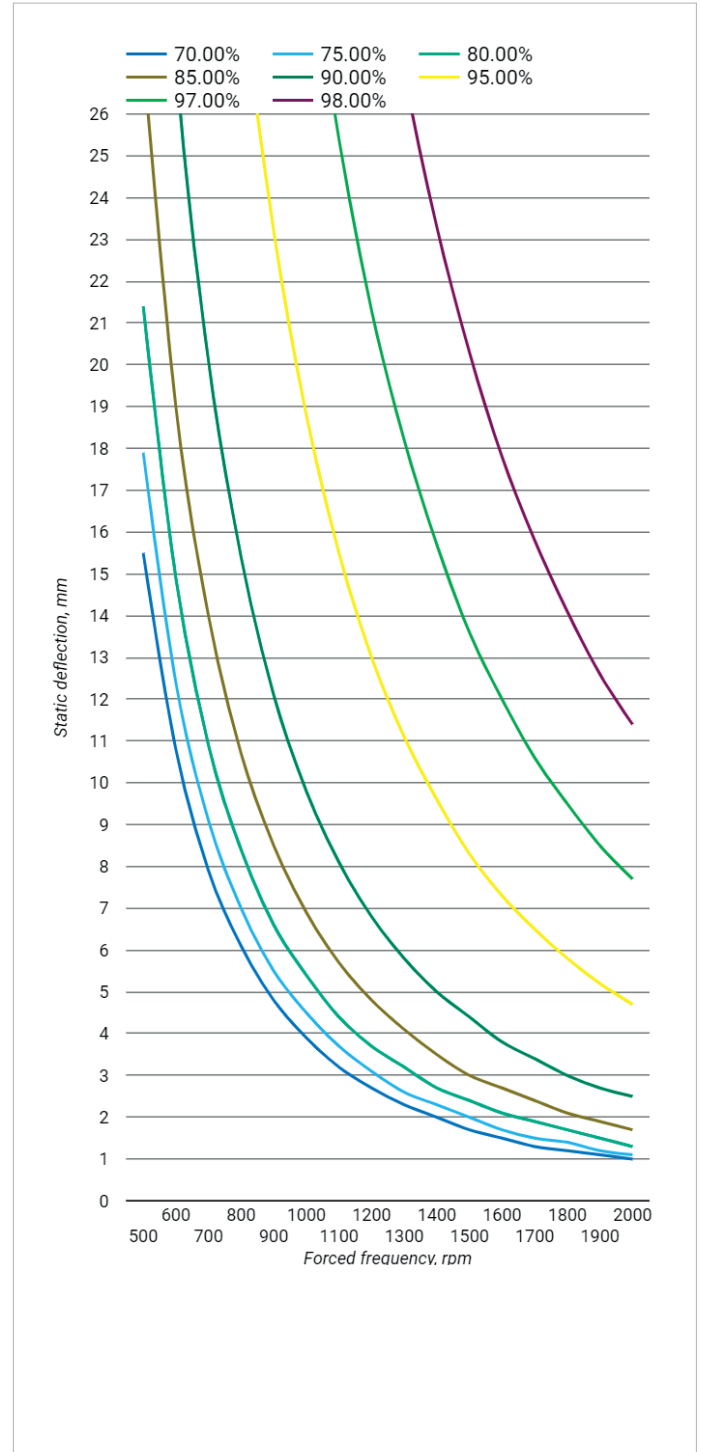
2.1 Static deflection (64 tiles)



2.2 Static deflection (1 tile)





2.3 Isolation efficiency



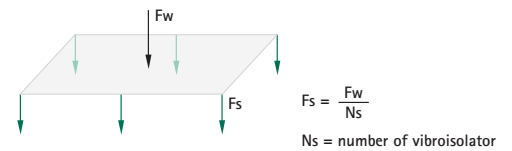
3. Dynamic properties

Description	Value
Damping factor	0.003
Maximum transient overload % on maximum load	100 %
Working temperature range	-20 °C till 90 °C
Hardness	45 Shore A

4. Estimation of performance

Part No. 2801200400	Applied load		Elasticity module (N/mm)	Deflection (mm)	rpm	Damping efficiency upon disturbing vibration (%)													
	(N)	(~kg)				500	800	1000	1200	1500	2000	2500	3000	3500	4000	4500			
			Hz	8.3	13.3	16.7	20.0	25.0	33.3	41.7	50.0	58.3	66.7	75.0					
<ul style="list-style-type: none"> ■ Calculation per single brick ■ 1 layer 	50	5	250	0.2								1	42	61	72				
	100	10	250	0.4						44	67	78	84	88					
	200	20	250	0.8				1	61	78	86	90	92	94					
	400	41	250	1.6				36	67	84	90	93	95	96	97				
	600	61	250	2.4			40	65	80	90	94	96	97	98	98				
	800	82	250	3.2			61	76	86	92	95	97	98	98	99				
	1000	102	250	4.0			46	71	82	89	94	96	97	98	99				
	1200	122	250	4.8			59	77	85	91	95	97	98	98	99				
<ul style="list-style-type: none"> ■ Calculation per single brick ■ 2 layers 	50	5	125	0.4						44	67	78	84	88					
	100	10	125	0.8				1	61	78	86	90	92	94					
	200	20	125	1.6				36	67	84	90	93	95	96	97				
	400	41	125	3.2			22	61	76	86	92	95	97	98	99				
	600	61	125	4.8			59	77	85	91	95	97	98	98	99				
	800	82	125	6.4			72	84	89	93	96	98	98	99	99				
	1000	102	125	8.0		19	79	87	92	95	97	98	99	99	99				
	1200	122	125	9.6		40	83	90	93	96	98	98	99	99	100				

- 1 Select vibroisolator load capacity in the table - greater or equal to F_s
- 2 Horizontally to the left you can see the amount of layers
- 3 Horizontally to the right, you can read the deflection
- 4 Locate the column with a frequency lower than 2300 rpm
- 5 Read the damping performance at: cross deflection and frequency



V (%)	Description of damping efficiency
99	Excellent
93	Perfect
88	Very good
81	Good
67	Sufficient
20	Medium
0	No change
Resonance	Better without insulation

Hospitals, hotels, facilities cultural (theaters, centers congress, auditorium)	Residential and office buildings, adjoining rooms to living spaces	Normal requirements: cellars, facilities industrial, shopping centers
Low attenuation or negative impact - contact with the Technical Sales Support Department, to get an alternative solution		

Find out how we can support you

Would you like to find out more about any of the solutions described in this Technical Data Sheet?
Or would you like to discuss how we could help you find the best possible solution for your project?
Get in touch today!

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Technical Data Sheet Walraven VibraTek® PR-T Rubber Tile Pad (INT) – 03/2024 – PDF – Full content subject to modifications
* The technical data are non-binding and do not reflect the warranted characteristics of the products. They are subject to change. Please consult our General Terms and Conditions. Additional information is available upon request. It is the designer's responsibility to select products suitable for the intended purpose and to ensure that performance data are not exceeded. The installation instructions should always be read and followed.