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Neo+™
Vibration Isolation Pads

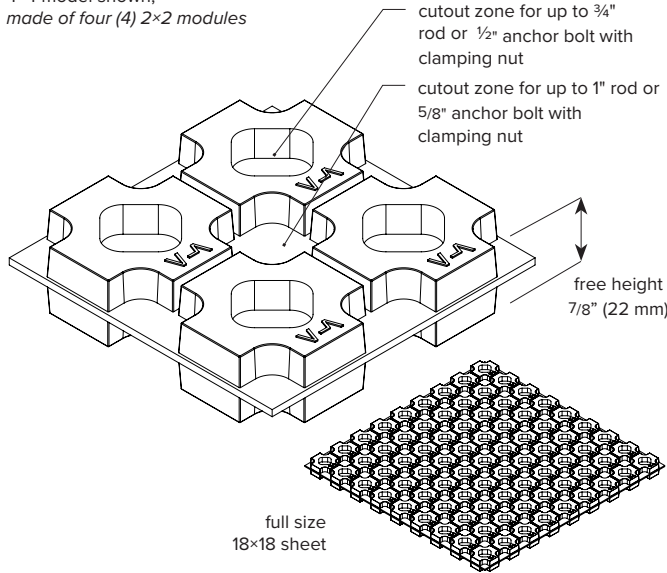
NP

File No.: DS-NP-004
Supersedes: DS-NP-003

Date: 28 Apr 2020
Date: 6 Jun 2018

NP PAD

4x4 model shown,
made of four (4) 2x2 modules



Neo+	Min. Load & Defl.	Design Load & Defl. (at 20% height)	Max. Load & Defl. (at 25% height)
NP-Black 40 Duro	15 psi (103 kPa)	30 psi (207 kPa)	40 psi (276 kPa)
	0.1" (2.5 mm)	0.18" (4.5 mm)	0.22" (5.5 mm)
NP-Green 60 Duro	40 psi (276 kPa)	80 psi (552 kPa)	100 psi (690 kPa)
	0.1" (2.5 mm)	0.18" (4.5 mm)	0.22" (5.5 mm)

NOTES

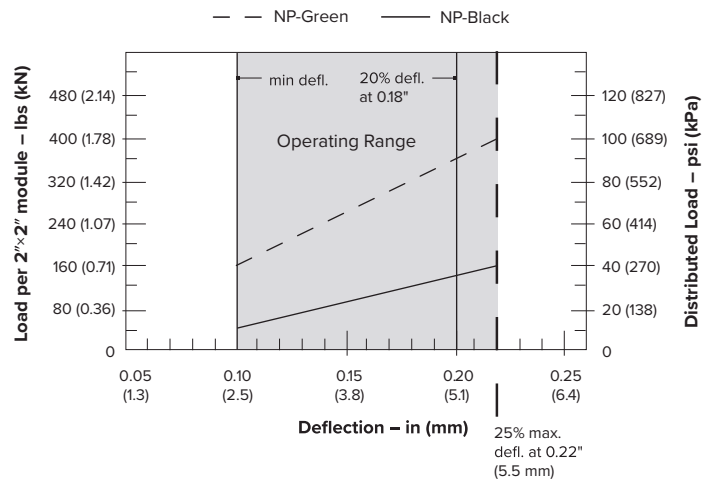
- Full size sheets are 18x18x7/8" (460 x 460 x 22 mm)
- Each sheet has 81 2"x2" (50 x 50 mm) modules
- Modules can be easily cut into desired size using a utility knife
- NP is made of high strength virgin neoprene at minimum 2750 psi (18.96 MPa) tensile strength capacity
- NP-Green is color coded with paint stripe on each 2"x2" (50 x 50 mm) module
- Recommended load is at 20% deflection (0.18", 4.5 mm) per Neo+ layer
- Maximum load is at 25% deflection (0.22", 5.6 mm) per Neo+ layer
- Optional steel load distribution plates or stacked combinations are available upon request
- Standard steel shim plates are 10ga galvanized steel. Some applications require thicker plates for even load distribution. Contact VA for further information.
- Common stacked combinations are NPS and NPsNP
- NPS: Steel load distribution plate on NP layer (free height:1"(25mm))
- NPsNP: includes two layers. NP on both sides of a galvanized steel plate (free height:1-7/8"(48mm). Provided twice deflection at the same loading as shown in the tables above.

PERFORMANCE

Model	Size in mm	Load Capacity @ recommended 0.18 in (4.5 mm)		Pad Weight †	
		lb	kN	lb	kg
NP 22-Black	2x2 50x50	120	0.53	0.1	0.04
NP 24-Black	2x4 50x100	240	1.07	0.2	0.08
NP 26-Black	2x6 50x150	360	1.60	0.3	0.12
NP 44-Black	4x4 100x100	480	2.14	0.4	0.16
NP 46-Black	4x6 100x150	720	3.20	0.5	0.24
NP 66-Black	6x6 150x150	1080	4.80	0.8	0.36
NP 1018-Black	10x18 250x460	5400	24.02	4.0	1.81
NP 1818-Black	18x18 460x460	9720	43.24	7.2	3.27
NP 22-Green	2x2 50x50	320	1.42	0.1	0.04
NP 24-Green	2x4 50x100	640	2.85	0.2	0.09
NP 26-Green	2x6 50x150	960	4.27	0.3	0.13
NP 44-Green	4x4 100x100	1280	5.69	0.4	0.17
NP 46-Green	4x6 100x150	1920	8.54	0.6	0.26
NP 66-Green	6x6 150x150	2880	12.81	0.9	0.39
NP 1018-Green	10x18 250x460	14400	64.05	4.3	1.97
NP 1818-Green	18x18 460x460	25920	115.30	7.8	3.53

† weights are approximate

Neo+™ Load vs. Deflection
For a single layer of Neo+



Project:			plan view of mount locations				1:		6:			
Customer:							2:		7:			
Consultant:							3:		8:			
Dwg No.:		Rev:					Drawn by:		4:		9:	
V-A Project Manager:							5:		10:		QTY of sets required:	
TAG:							EQUIPMENT:					
COMMENTS:			DATE:									