

Gym Floor NRD2 Rubber

Up to 10mm Static Deflection

APPLICATION

For gym floors where a moderate degree of isolation is required for applications where there is dropping of weights or other moderate to high impact loads. In addition, it can be used for gyms where a high degree of damping is required.

FEATURES

- Rubber damping minimises oscillation under impact loads
- Non-skid ribbed base
- Colour coded load range
- Steel top and base plates embedded in elastomer

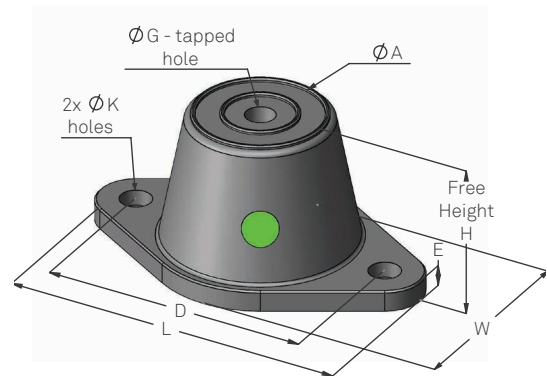
ELEMENT TYPE

- Max load up to 250kg
- Up to 10mm static deflection

DYNAMIC CHARACTERISTICS

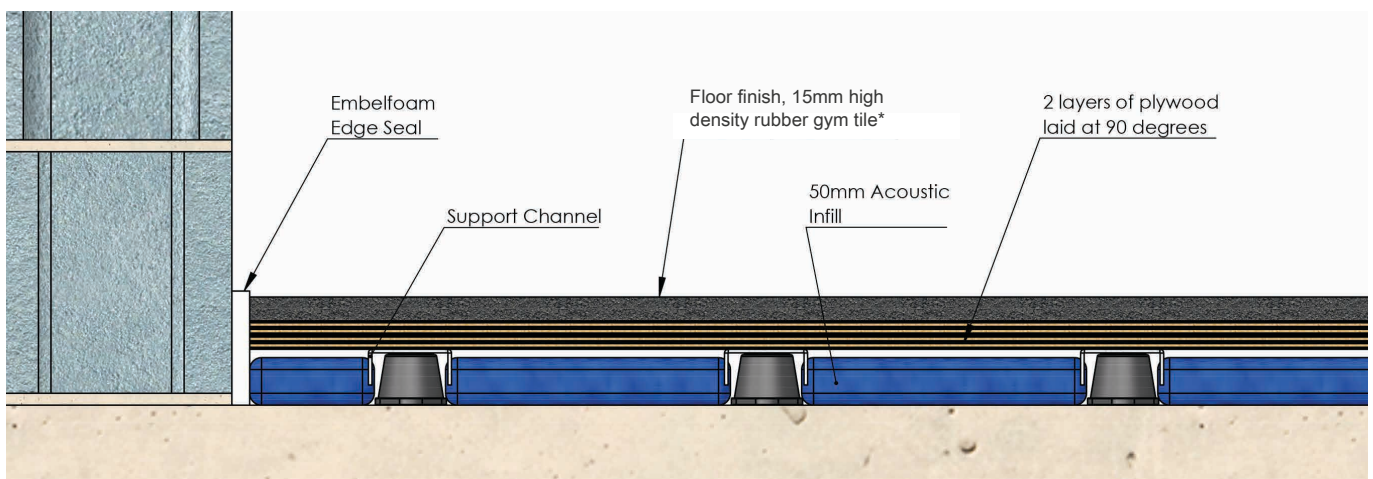
Rubber mounts differ from spring mounts in that the natural frequency is a function not only of deflection, but also of the rubber hardness (durometer).

The natural frequency is usually greater than indicated by static deflection alone. For effective assessment of natural frequency, multiply natural frequency obtained from static deflection by the dynamic factor given in the table.



NRD2

Type	Colour	Max Load kg	Dynamic Factor	Height (H) mm	L mm	W mm	D mm	A mm	G Dia	K mm	E mm
NRD2	White	70	1.1	44	98	60	76	45	M10 (NL Ø12)	8.5	6
	Red	100	1.2								
	Green	160	1.4								
	Yellow	250	1.5								



*Low density underlay may be required for free weight areas.

NXS INSTALLATION EXAMPLE

MOUNT SELECTION

When selecting mounts, it is recommended that the calculated floor mass is increased 10-20% to avoid overloading of any mount.

TECHNICAL ASSISTANCE

All Embelton offices can provide detailed technical assistance on the use of this product in specific applications.

CONDITIONS OF SALE

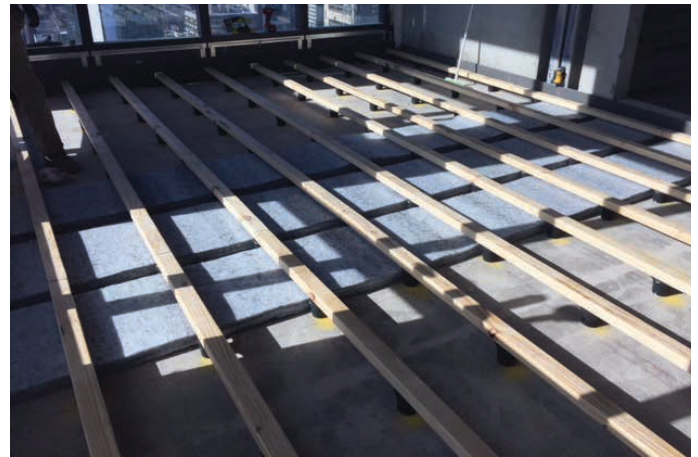
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INSTALLATION

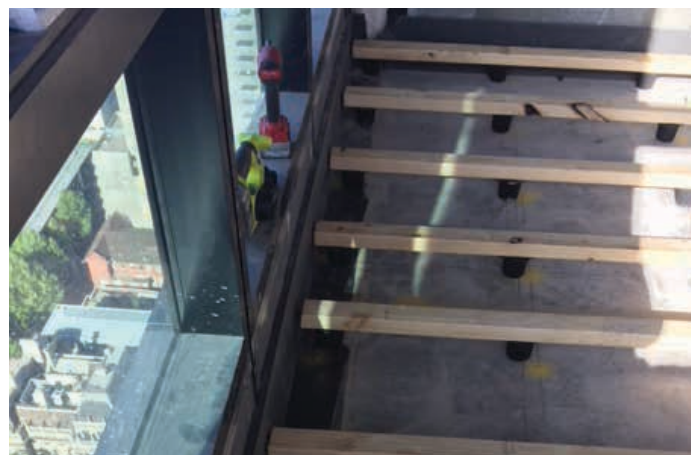
1. Mark gridlines for your specific application. Contact Embelton for a custom layout.
2. Pack rubber mounts to the same height and adhere packers to slab.
3. Adhere rubber mounts to packers.
4. Place Embelfoam Edge Seal around the perimeter of the room and all columns and penetrations.
5. Lay support channels on the NRD2 mounts.
6. Insert acoustic insulation between the channels.
7. Screw a layer of plywood to the top of the channels. The plywood should be laid at 90 degrees to the support channels.
8. Screw a second layer of plywood to the first layer at a 90 degree rotation.
9. Adhere a layer of 20mm ImpactaMat 900 to the plywood surface.

SPECIFICATION

Rubber mounts shall have 10mm deflection, colour coded for identification of load capacity, incorporating separate steel top and base plates completely embedded in the elastomer. They shall have non-skid mounting surfaces. They will be type NRD2 as supplied by Embelton.



NRD2 LAYOUT



NRD2 TYPICAL INSTALLATION