



TICO LF/PA & TICO CF/PA

Resilient Pads

For Low Frequency Applications



TICO



TICO LF/PA & TICO CF/PA

The TICO brand is synonymous with high performance and value in the field of vibration attenuating machinery mounting. Tiflex is proud to have been involved in a wide variety of projects throughout the world where TICO products have been employed to provide effective solutions to the problems of noise and vibration.

We are committed to the research and development of the TICO anti-vibration product ranges and have both the experience and resources necessary to respond to the exacting technology requirements of today's market. We are committed to providing the very best in product quality and customer service.

Working closely with our customers, our polymer technologists work to develop solutions to a variety of engineering problems particularly those requiring high performance and product durability. We use the highest grade of raw materials, advanced production techniques and strict quality control to maintain consistent product standards.

Where attenuation of vibration is the prime factor, TICO Resilient Pads provide a well proven answer. These pads isolate disturbing frequencies where expensive rubber-in-shear or spring devices may have been considered. Under compression this product will absorb a high degree of vibration energy.



TICO LF/PA & TICO CF/PA R

TICO LF/PA

TICO LF/PA pads are available in two different grades, each with its own individual features that can be tailored to meet the needs of the customer. The different grades are characterised by their centre section design. Variations in material hardness, thickness and fluting arrangements give specific load-bearing properties.

- TICO LF/PA/10
- TICO LF/PA/80

Benefits

- Excellent isolation at low disturbing frequencies
- High lateral stability
- Isolate structures from plant vibration
- Isolate equipment from structural disturbance
- Maximum static stress:

TICO LF/PA/10

0.07 MN/m² (7,000 Kg/m²)

TICO LF/PA/80

0.7 MN/m² (70,000 Kg/m²)

Typical Applications

- Heating and ventilation systems with air conditioning units, boiler plants or other critical areas
- Heavy compressors
- Business/computer systems
- Precision production plant, test and inspection equipment, sensitive instruments etc

TICO LF/PA pads have a bonded sandwich construction. The centre stratum is synthetic elastomer, precision moulded with a fluted pattern developed for optimum vibration absorption across a specific load range. Top and bottom strata are bonded cork to provide high friction bearing surfaces. Double layers of TICO LF/PA pads can be used to achieve a lower natural frequency.

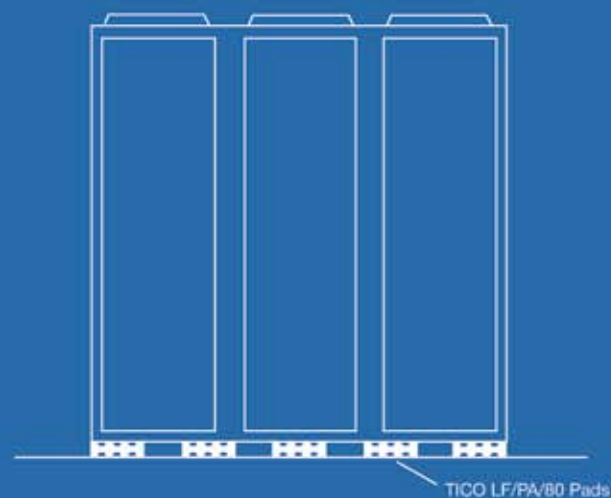
TICO LF/PA pads are flat and naturally stable under compressive stress, therefore side restraints are rarely needed to ensure a sturdy installation.

Technical

Property	TICO LF/PA/10	TICO LF/PA/80
Maximum Recommended Static Stress	0.07 MN/m ²	0.7 MN/m ²
Breakdown	In excess of 3 times maximum working stress	
Temperature Range	-30°C to +70°C	-30°C to +70°C

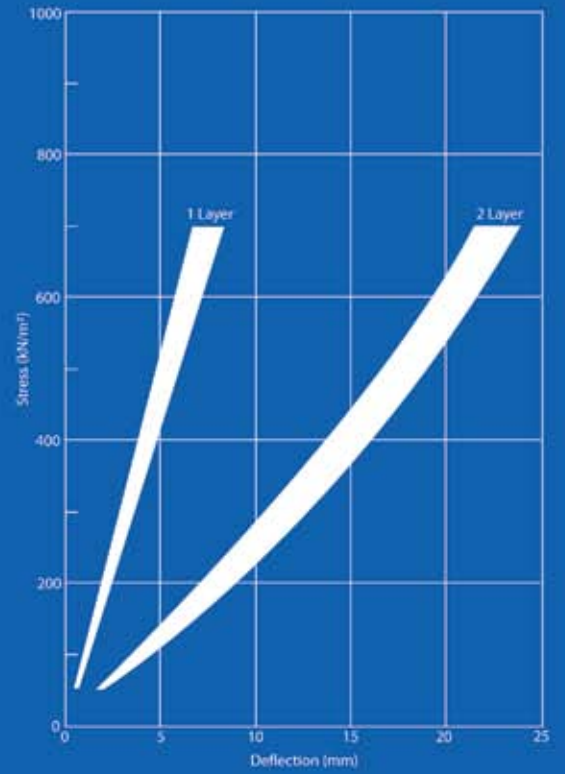
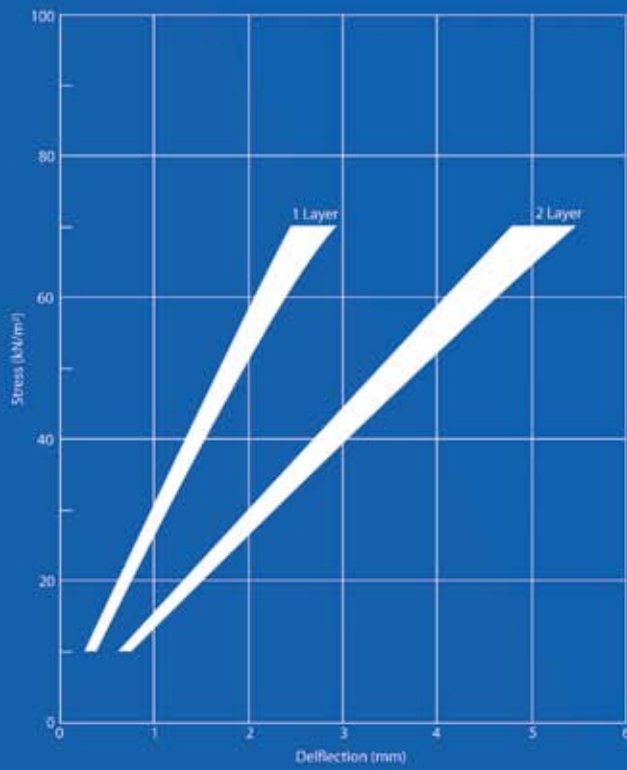
For further details our Technical Team can be contacted on +44 (0)1579 320808.

Refrigeration Plant

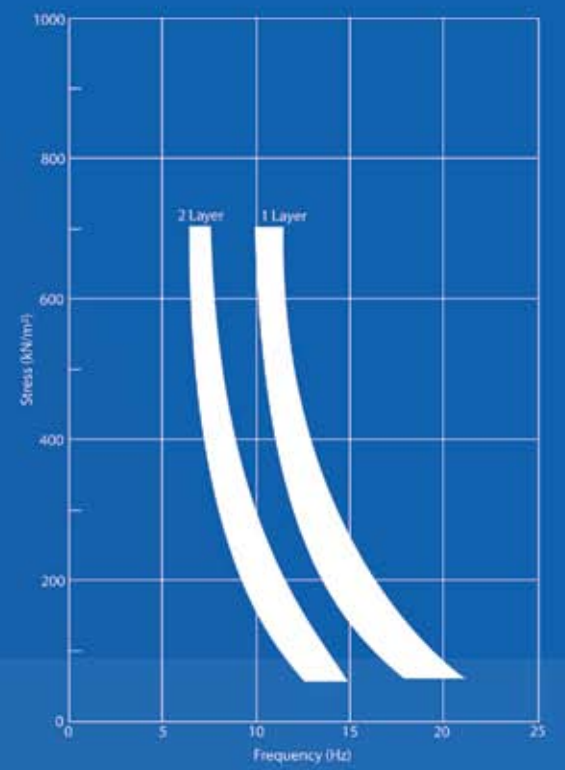
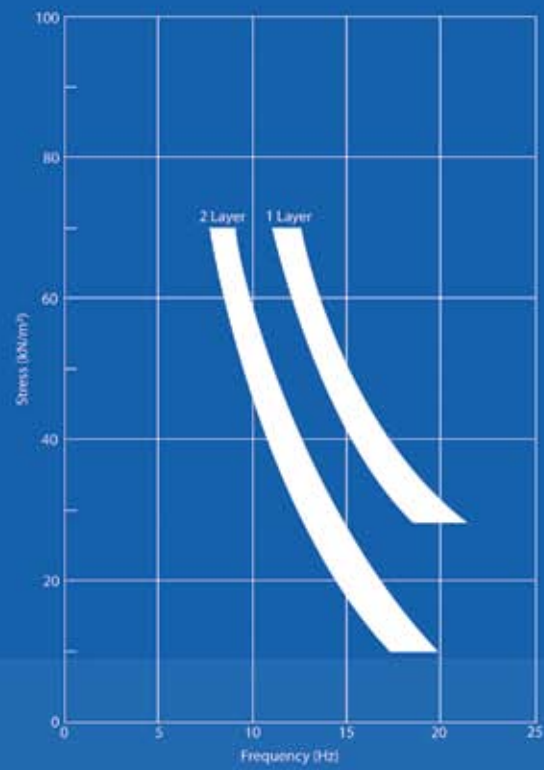


TICO LF/PA

static
deflection



natural
frequency





TICO CF/PA

TICO CF/PA Pads have been designed for use in critical applications where a low frequency solution is required.

TICO CF/PA pads are also available in two different grades, each with its own individual features that can be tailored to meet the needs of the customer. TICO CF/PA pads are complimentary to our TICO LF/PA pads with the additional benefit of complete design flexibility.

- TICO CF/PA/10
- TICO CF/PA/80

Benefits

- Unsurpassed isolation at low frequencies
- Complete flexibility of supply
- High lateral stability
- Isolates structures from ground borne vibration
- Rapid installation
- Maximum static stress:

TICO CF/PA/10
0.1 MN/m² (10000 Kg/m²)

TICO CF/PA/80
0.25 MN/m² (25000 Kg/m²)

Typical Applications

- Sensitive machinery or equipment
- Air Handling units
- Isolation foundations

TICO CF/PA pads are natural rubber based micro-cellular materials with high tensile geotextile upper and lower surfaces, to facilitate bonding and accommodate small surface irregularities.

Although a standard set of products is available TICO CF/PA, unlike TICO LF/PA, is manufactured in sheet form and can be cut to virtually any size within the maximum sheet dimensions of 1000 x 1000 mm. This offers greater flexibility of design and, in addition, the excellent properties of natural rubber allow TICO CF/PA pads to achieve natural frequencies of less than 8 Hz in appropriate configurations. Both grades are supplied as standard in a single layer configuration which can be doubled up to provide enhanced performance.

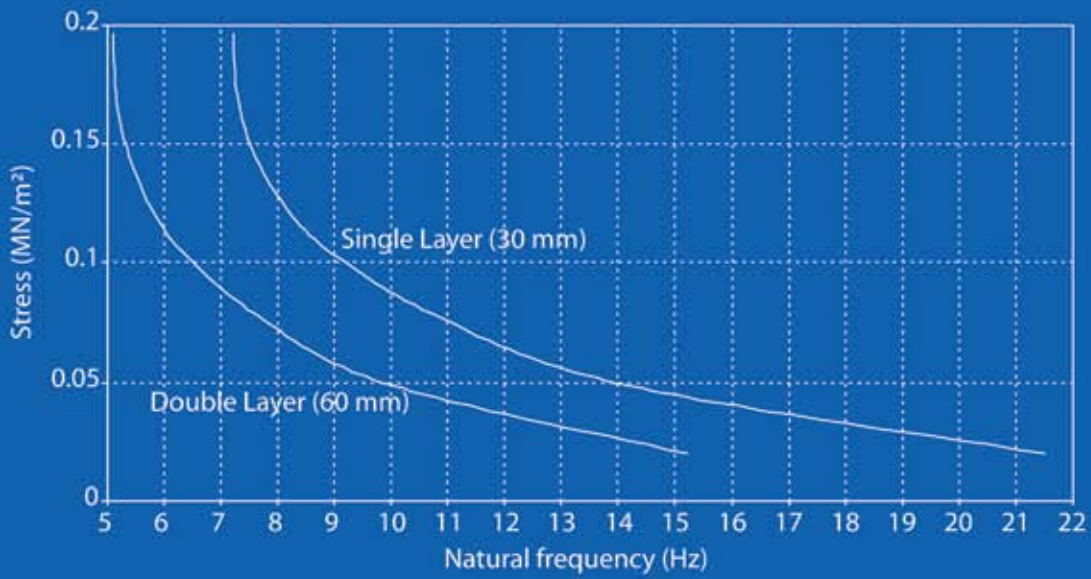
Technical

Property	TICO CF/PA/10	TICO CF/PA/80
Maximum Recommended Static Stress	0.1 MN/m ²	0.25 MN/m ²
Breakdown	In excess of 3 times maximum working stress	
Temperature Range	-40°C to +70°C	-40°C to +70°C

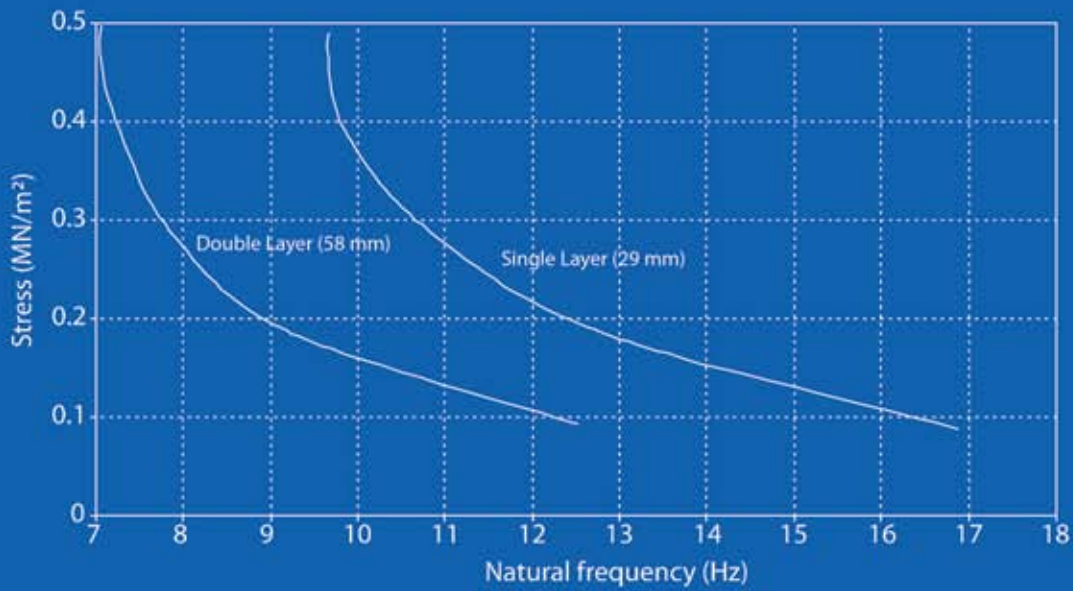
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natural frequency

TICO CF/PA10



TICO CF/PA80



Our Technical Department are on hand to advise you on the correct grade of TICO Resilient Pads for your installation. They can provide sound advice on the number of pads required, and optimum layout. To meet these criteria it is essential that you provide our team with the following information.

- Static weight of equipment to be mounted
- Load distribution between feet or across base area
- Number of feet and dimensions
- Disturbing frequencies to be isolated
- Condition of mounting surfaces

Safe Handling data sheets are available for all TICO products on request

Supply Details

Code	Product	Standard Thickness mm	Standard Size mm
TICO LF/PA/10	Low frequency pad	25 (1")	150 (6") x 150 (6")
TICO LF/PA/80	Low frequency pad	32 (1 ¼")	150 (6") x 150 (6")
TICO CF/PA/10	Low frequency pad	30 (1 3/16")	100 (4") x 100 (4") 250 (10") x 250 (10") 500 (20") x 500 (20")
TICO CF/PA/80	Low frequency pad	29 (1 1/8")	100 (4") x 100 (4") 250 (10") x 250 (10") 500 (20") x 500 (20")

Non-standard sheet sizes are available on request up to a maximum pad size of 1000 x 1000 mm.

Supporting Products

The following standard products are available for use with TICO LF/PA and TICO CF/PA.

TICO Contact S Adhesive	General Purpose	1 litre (0.264 US Gal) 5 litre (1.32 US Gal)	Approx. coverage 4 m ² /litre
TICO A/ST Sealing Tape	Sealing Tape	74 mm (3") wide x 50 m roll	
TICO VF/PA	Void Filler	1200 x 600 x 12.5 mm 1200 x 600 x 25 mm	Pack of 10 sheets Pack of 5 sheets
Marine Epoxy (two parts)	Epoxy Resin	600 g	Approx. coverage 1 m ²

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Uniclass L53912	EPIC E48
CI/SfB (43.9)	X (J6)