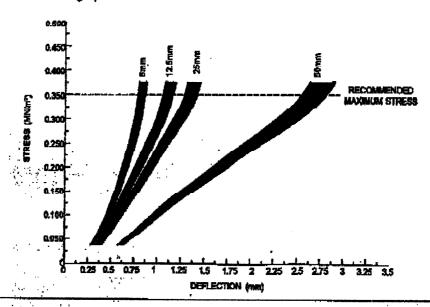
To use graph:

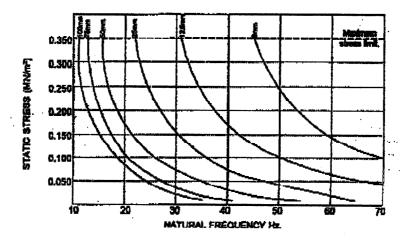
1. Calculate Stress on pads in MN/m2 using formula:

Stress in MN/m² = (Weight of machine in ko \times 9.81) \div 1.000.000 Area of pad in m²

2 Project horizontal line from calculated stress to intercept desired thickness. Read deflection off horizontal axis of graph.



- 1. Calculate Stress on pad in MN/m².
- 2. Read from vertical axis across to desired pad thickness.
- 3. Read natural frequency (fn) off horizontal axis.







Tico S is a high performance machinery mounting material. It matches today's fast changing manufacturing environment, where ease of machine mounting and flexibility of plant layout are prime factors.

Tico S is manufactured from a blend of carefully selected cork particles and polychloroprene/ acrylonite elastomers.

This Technical Information Sheet is designed to be used in conjunction with the brochure "TICO Resilient Pads for Industrial Installation". It provides the user with the following information:

- Dimensions
- Typical Properties
- Pad Static deflection for a given load
- Pad Natural frequency for a given load
- Isolation efficiency for given load and disturbing frequency

Code	Product	Standard-Thicknes	Standard Size
TICOS	Cork/Elastomer Pad	12.5 -25	1200 x 50 1200 x 75 1200 x 100 1200 x 150 1200 x 600
TICO A/GE	General Purpose Adhesive	Area 1.5 m Coverage 15 m	500 mi can

		Explanation
Recovery properties Immediately 1 minute 3 minutes 5 minutes 10 minutes 30 minutes (after release of load)	96.1% 96.9% 97.7% 98.3% 98.5% 98.6%	A TICO Pad 150 mm square, 12.5 mm thick was compressed to 65% of original thickness under a static load of 1.05 MN/m² and on release exhibited these recovery characteristics.
Lock: ATVES	V. A	A TICO Red exhibited these flow character lice under compression. Limited thickness are selected to the compression of the com





Chemical Resistance

EXPOSURE	TICO S/PA RESISTANCE	EXPOSURE	TICO S/PA RESISTANCE
Acetone	С	Methane	В
Acetic Acid	C	Methyl Ethyl Ketone	С
Air	Α	Methylated Spirit	Α
Amyi Acetate	D	Naphtha	C
Asphalt	С	Natural Gas	A
Benzene	C	Oils (Vegetable and Mineral)	Ā
Brine	В	Oxygen	Α
Butane	8	Ozone	В
Butyl Alcohol	Α	Paraffin	В
Borax (Sodium Borate)	A	Petroleum Spirit	В
Carbolic Acid	D	Pitch	C
Carbon Tetrachloride	D	Propane	В
Caustic Soda	B*	Stearic Acid	В
Citric Acid	A	Silver Nitrate	A
Detergent	8	Soap Solution	Α
Diesel Oil	В	Sodium Chorate	8
Diethylene Glycol	A	Sulphonated Fatty Alcohols	ā
Ethyl Alcohol	Α	Tartaric Acid	Α
Formaldehyde	В	Tallow	8
Glue	A	Tar	- c
Glycerine	A	Turpentine	C
Isopropyl Alcohal	Α	Tannic Acid	8
Kerosene	₿	Vinegar	В
Lactic Acid	A	Water	В
Latex Solution	A	White Spirit	В
Lime Water	Α	Whisky	A
Methyl Alcohol	В	Wines	A

^{*} This rating is based on the type of exposure found in the food and beverage industries.

Explanation of code: A - Excellent

B - Good

C - Suitable for splash conditions or intermittent contact

D - Unsuitable





Effect of heat ageing on compression and recovery A. Deflection of heat aged pad at (load): 70 kN/m² 210 kN/m² 350 kN/m² 700 kN/m² 1.05 MN/m² 1.05 MN/m² B. Recovery of heat aged pad: After 5 minutes After 30 minutes	1.5% 2.9% 8.3% 19.7% 31.4% 99.2% 99.5%	TiCO Pads of nominal dimensions 150 mm x 150 mm x 25 mm were aged for 90 days at 70°C in an air circulating oven. Micrometer measurements on recovery intervals established the percentage figures shown.
Tensile strength	2.1 MN/m² minimum	Tested in accordance with BS 903
Elongation at break	50 to 80%	
Hardness	69 ± 5°	International Rubber Hardness Degrees
Thermal conductivity	0.101 0.7	W/m°C Btu x in/ft² x h x °F
Coefficient of friction	0.65 0.5	TICO to concrete TICO to bright mild steel
Temperature range	-40°C to +100°C	TICO S will operate satisfactorily over the indicated range and is suitable for both arctic and tropical climates.
Load bearing capacity Recommended maximum load	0.35 MN/m ²	TICO S will withstand very high dynamic and static loads without physical breakdown. In machinery mounting applications, however, the recommended maximum static load should not be exceeded without consultation.
Dimensional stability	TICO S material is dimensionally stable under widely varying atmospheric conditions.	

