

TICO® CFPA Critical Frequency Mounting Pad

Product Code: RC1157

Product Description

TICO® CFPA, a mounting pad crucial for addressing specific frequencies, is crafted from a rubber-based cellular material featuring laminated surfaces that aid in compensating for minor surface irregularities.

Property	TICO® CF/PA/10	TICO® CF/PA/80
Maximum Recommended Working Stress	0.1 MN/m ²	0.25 MN/m ²
Working Stress Range	0.02 - 0.1 MN/m ²	0.01 - 0.25 MN/m ²
Weight	~14kg/m ² (30mm thick)	~20kg/m ² (29mm thick)
Temperature Range	-40°C to +70°C	-40°C to +70°C
Typical Damping Ratio	0.022	0.038

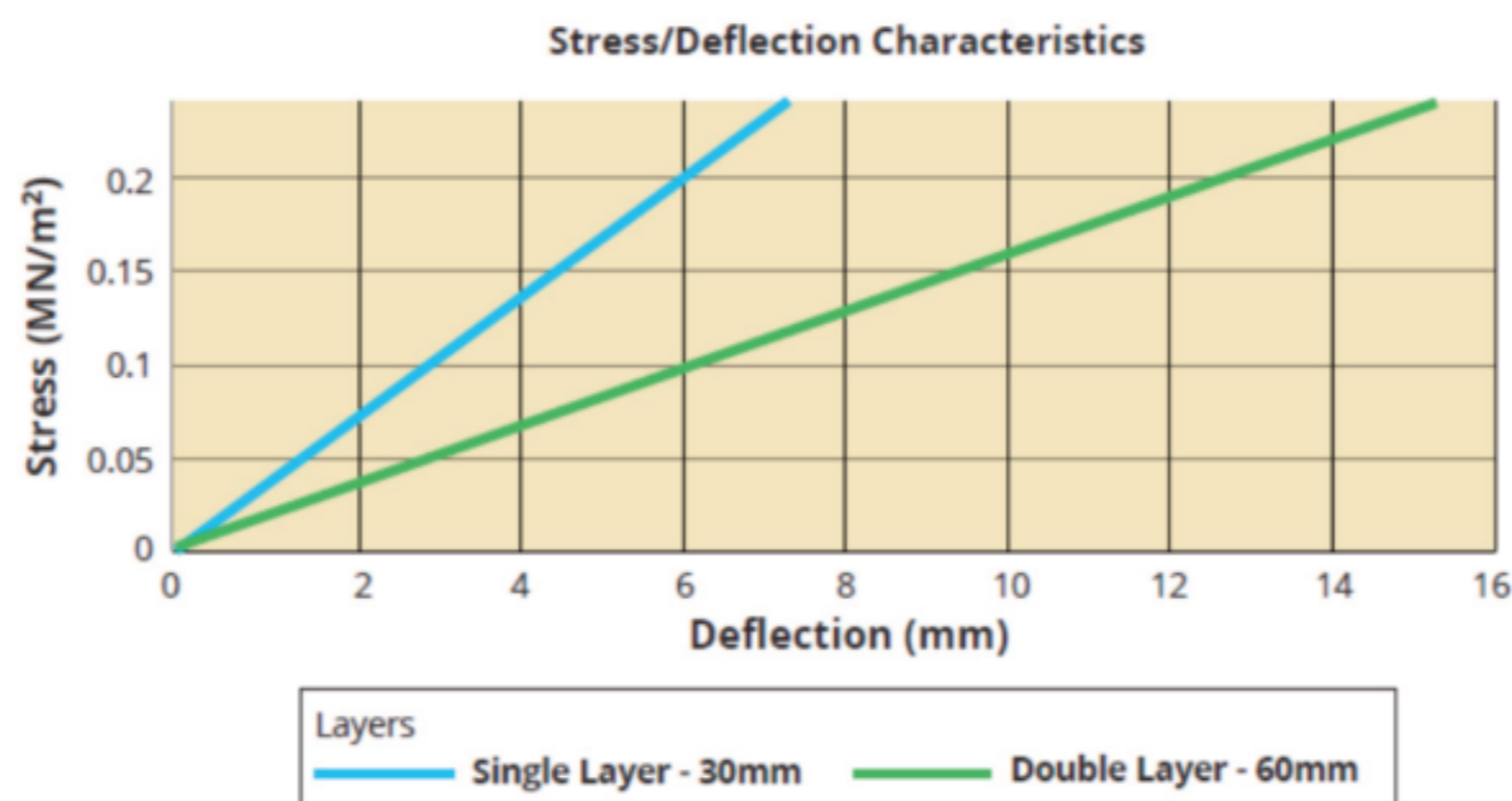
Static & Dynamic Properties in Compression - CF/PA/10

To Use Graph:

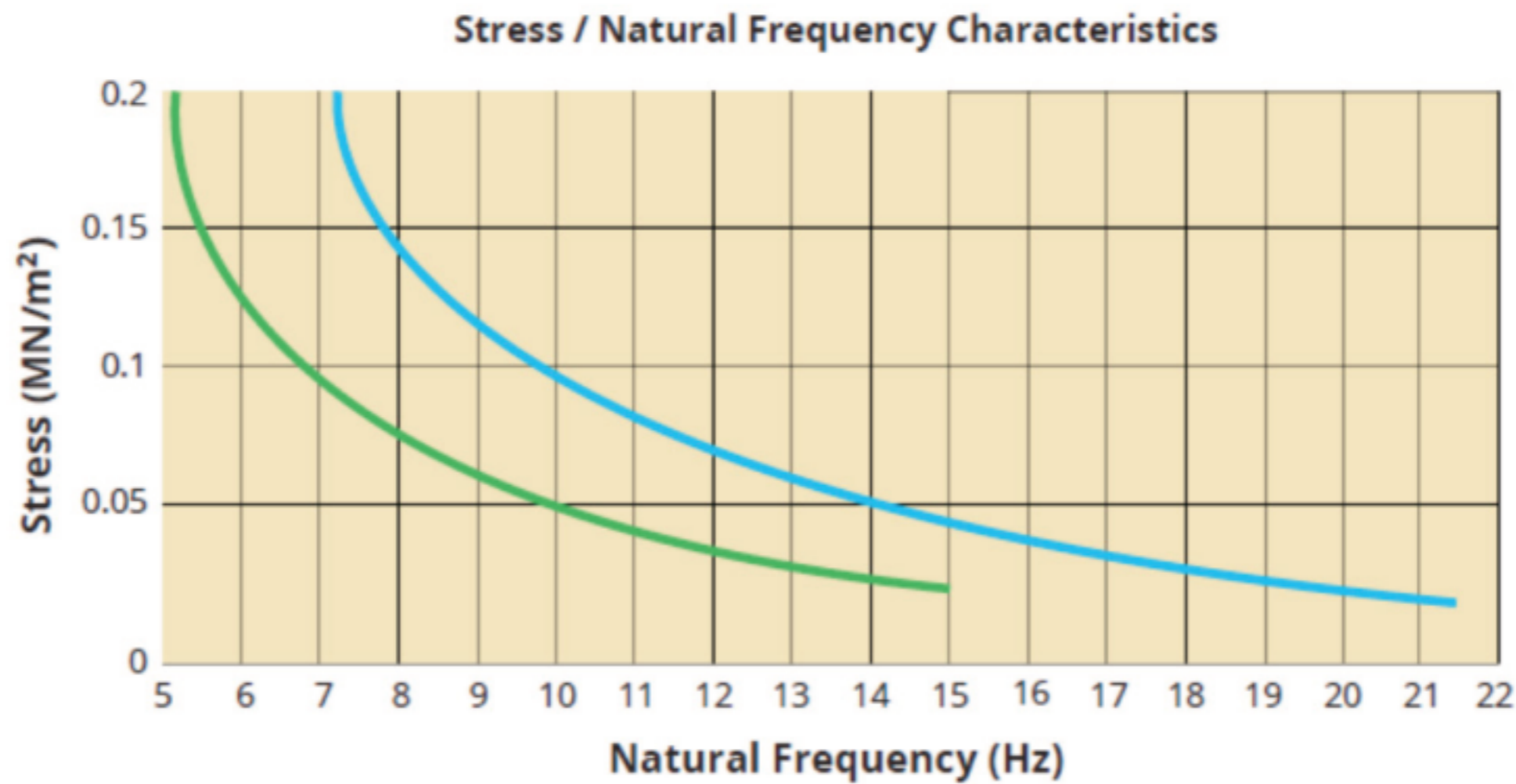
1. Calculate stress on pads in MN/m² using formula:-

$$\text{Stress in MN/m}^2 = \frac{\text{weight of machine in kg} \times 9.81 \div 1,000,000}{\text{Area of pad in m}^2}$$

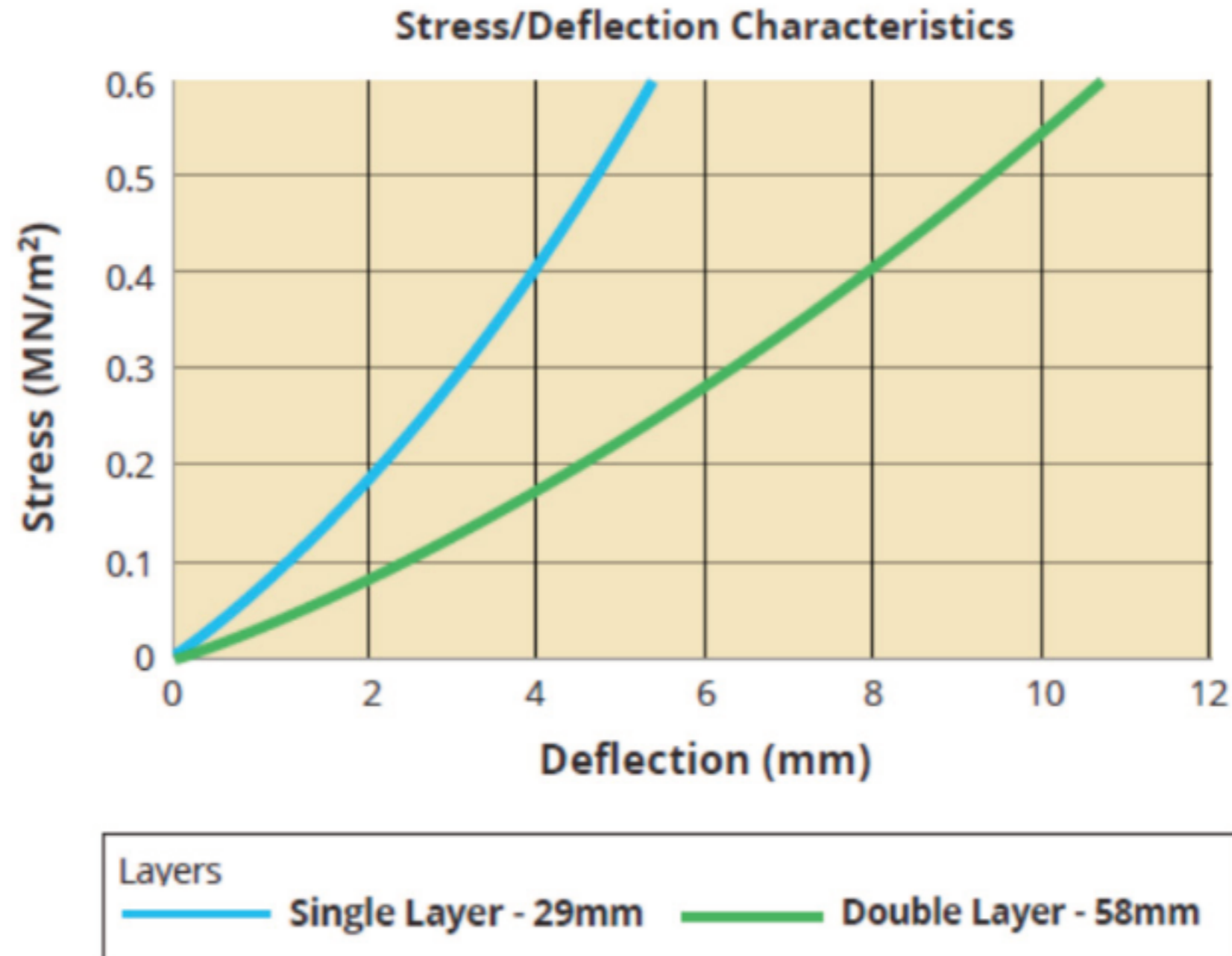
2. Project horizontal line from calculated stress to intercept desired thickness. Read deflection off horizontal axis of graph.



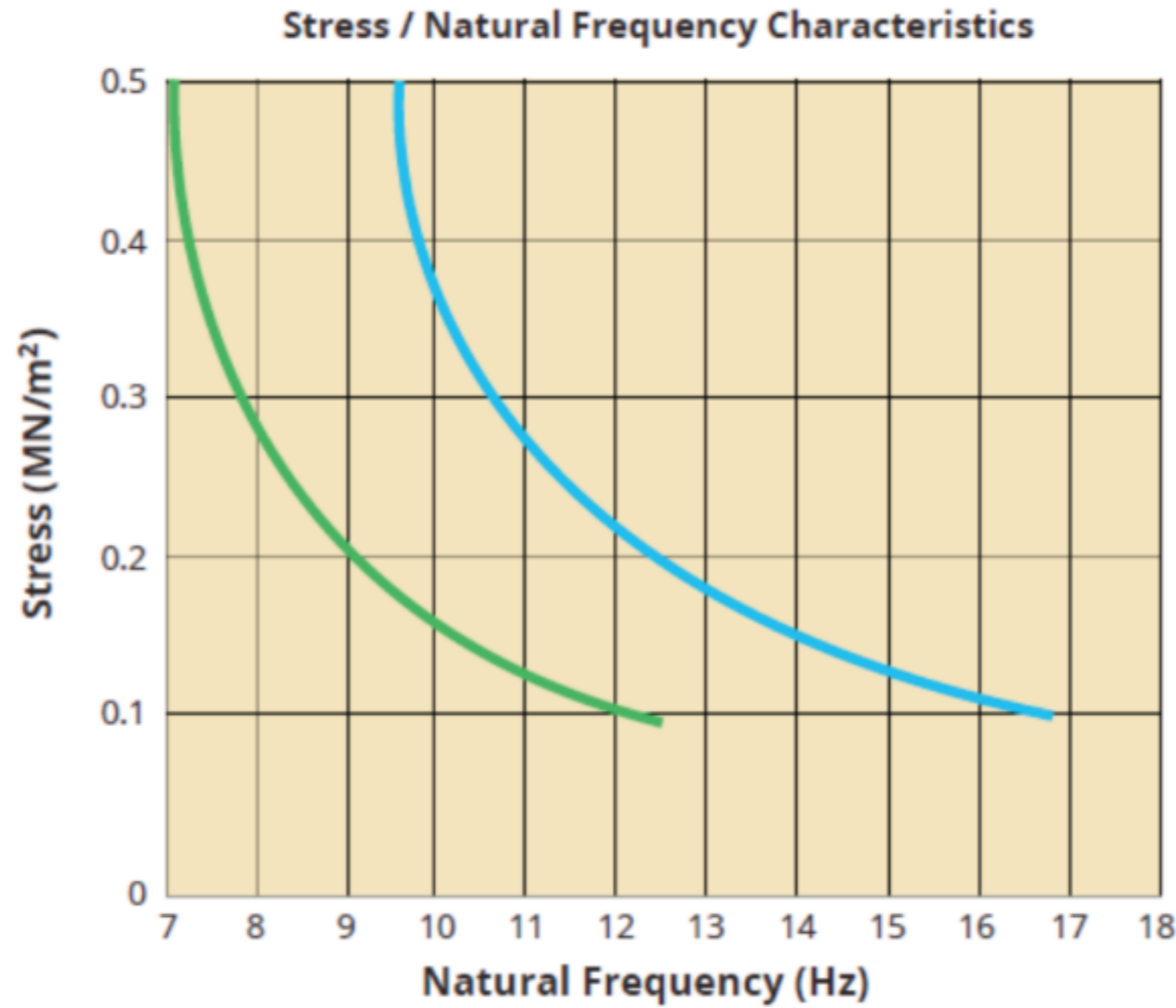
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Static & Dynamic Properties in Compression - CF/PA/80

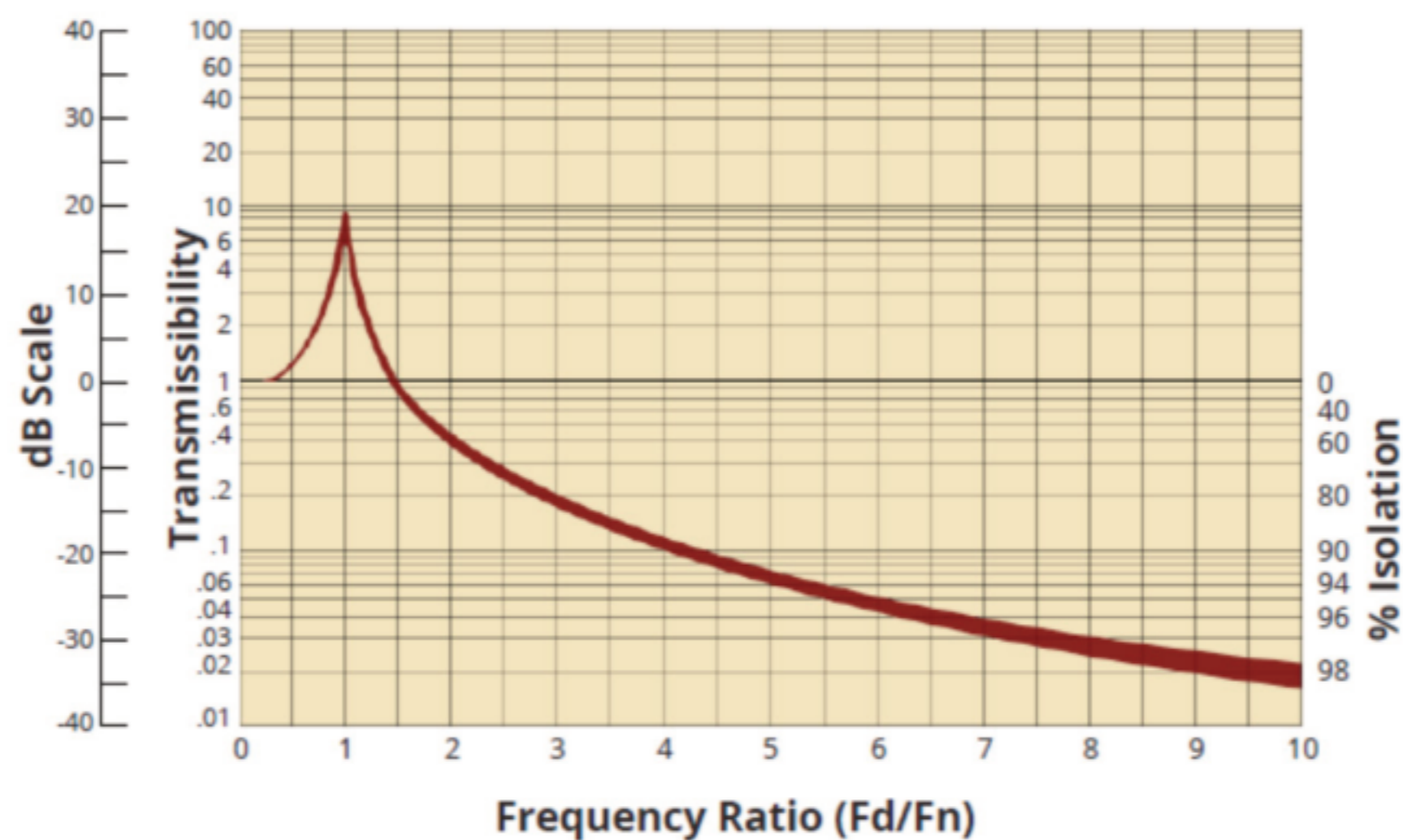


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Isolation Efficiency

1. Ascertain disturbing frequency of plant to be isolated (f_d)
2. Calculate frequency ratio f_d/f_n
3. From horizontal axis project a line up to curve of graph and read off isolation efficiency from right-hand side vertical axis.



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