

Isolation Pad, Corkrib, Flatback

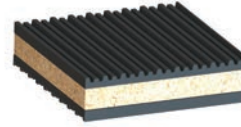
For Loads 75 to 350 kPa

APPLICATION

Corkrib is used where a pad mount is required for the effective isolation of noise and vibration from equipment with speeds down to the order of 2,200 RPM, and for applications where some degree of damping is needed. Typically used on airconditioners, business machines, transformers, pumps, machine tools, metal punches, presses, cooling towers, etc.

FEATURES

- Comes in a standard size of 100x100x25mm
- Made from a layer of polyurethane bonded cork, sandwiched between two layers of rubber pad (Flatback); unloaded thickness 25mm
- Cross-ribbed upper and lower non-skid faces which usually eliminate the need for bolting down
- Alternately raised ribs
- Maybe used in multiple layers with steel or aluminium shim spacers to increase isolation efficiency
- High damping factor, $C/C_c = 0.2$



CORKRIB



ALTERNATELY RAISED RIBS

OPTIONS

- The thickness and specification of cork material may be varied on request
- Available as preassembled sizes in Flexplate configurations
- Can be supplied in a sheet size of 500x500x25mm

LOAD RANGE

Standard 100x100x25mm Corkrib pads will provide effective noise and vibration isolation through a load range of 75 to 350 kPa. Recommended steady load of 350kg and impact load of 230kg with corresponding static deflections up to 3.4mm.

DYNAMIC CHARACTERISTICS

Cork/rubber pads differ from spring mounts in that the isolation efficiency is a function not only of deflection, but also of the rubber hardness (durometer) and cork density. Isolation efficiency is usually less than indicated by static deflection alone.

For effective assessment of theoretical isolation efficiency, the graph showing theoretical dynamic f_n against load should be used at all times.

ALTERNATELY RAISED RIBS

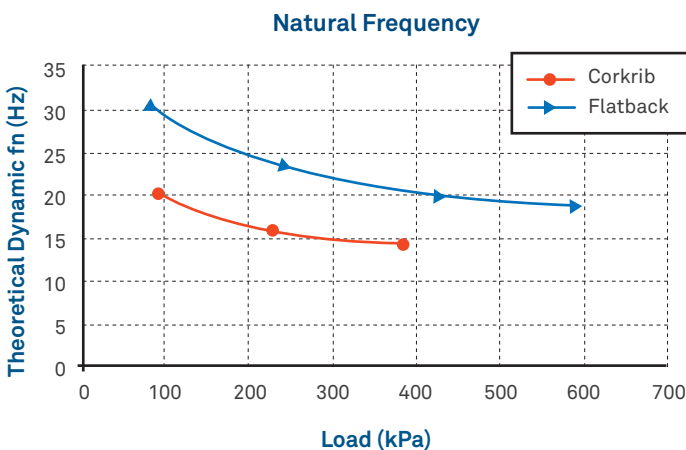
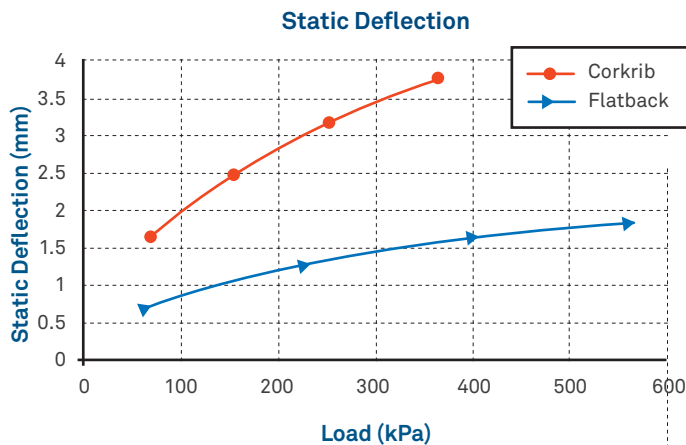
This feature provides effective vibration isolation over the entire load range. Only the alternate ribs are engaged under light loads, allowing improved isolation.

TECHNICAL ASSISTANCE

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

CONDITIONS OF SALE

These products are sold subject to the published Embelton General Conditions of Sale, copies of which may be inspected on request.



SPECIFICATION

Vibration isolation pads shall be 25mm thick laminated cork and rubber, consisting of a 13mm thick anti-vibration cork core bonded between sheets of 6mm thick cross-ribbed, oil-resistant rubber pads having alternately raised ribs. The pads shall be type Corkrib as supplied by Embelton.