



Giraffe

- Rubber Cork - Sheeting, Roll, Gasket, Cord
- Nitrile & HNBR - Sheeting, Roll, Gasket, Cord
- Noise and Vibration control Pads & Mounts
- Expansion Cork Joint Filler
- Rubber Cork Products - Sheeting, Roll, Gasket
- Expanded Agglomerated Cork for Insulation
- Rubber Products - Sheeting, Roll, Gasket



ISO 9001 Certified
Cert # 19113D1097



CB-036-MS

☎: www.gujaradcork.com



*RubberCork:
For applications of
sound/thermal/electrical
insulation, gas and liquid
sealing, cushioning and
vibration damping, lining,
flooring material and more.*

Rubberised Cork is best substitute of Felt, Wood, Plastics & Ordinary Rubber.

If you manufacture a product that insulates, cushions, or seals, Rubber Cork is the smart alternative.

Only Rubber Cork has true compressibility. Other materials under pressure crush, distort, or extrude. But Rubber Cork will truly compress with negligible side flow.

Why? Only Rubber Cork has natural cork granules uniformly dispersed throughout and cork has unique characteristics.

It is made of cells with walls of a strong resinous substance that is flexible but will not stretch.

Trapped inside each cell is a pocket of air, in fact cork is 90% air (by volume). Under pressure the air inside is squeezed into a smaller space but because the cell is airtight, the compressed air maintains counter pressure until force is released. (A one inch cube of pure cork can be compressed to 1/2 inch under 4000 psi without breakage and return to 90% of its original height).

By itself, cork is amazing, but remarkably when combined with synthetic rubber we get the properties of the polymer plus the benefit of true compressibility.

This unique combination opens up words of possibilities in a variety of applications.

It's Easy To Select The Proper Grade of Rubberised Cork For You.

You Can Choose by application specification, or have us develop a special grade.

We have over 9 pre-certified grades of Rubber Cork that tested and proven for various applications.

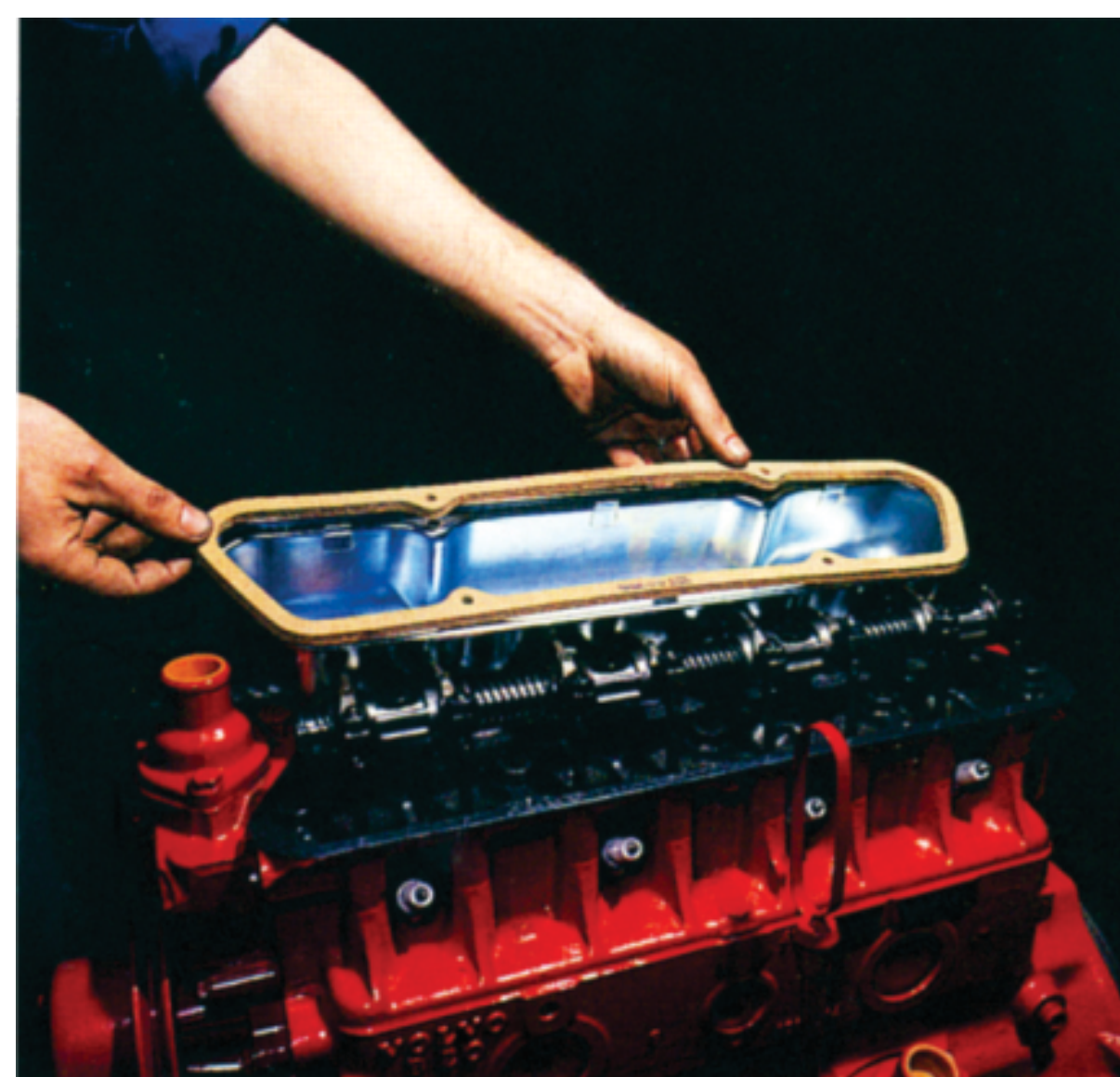
Or, perhaps you demand a particular material specification of tensile strength, heat resistance, oil resistance, etc. There is Complete documentation of a wide range of properties on all our grades.

Should you require a material with extreme specs or unusual characteristics that surpass our standard grades, we regularly develop custom blends of Rubber Cork for unique applications or high performance.

All grades are available to you in sheets, rolls or blocks. And to make producing with Rubber Cork most efficient, we can provide materials with surface treatments, laminations and special coatings.

Rubberised Cork Gasket Materials specification as per IS : 4253 Part-II 2008 (ASTM F104)

Sr. No.	MECHANICAL PROPERTIES	GR - R & B (Moderate Oil Resistant)			GR - S & P (Good Oil Resistant)			GR - I, II, & III (Very Good Oil Resistant)		
		RC-50	RC-70	RC-80	RC-50B	RC-70B	RC-80B	RC-50C	RC-70C	RC-80C
1.	Hardness IRDH	50±10	70±10	80±10	50±10	70±10	80±10	50±10	70±10	80±10
2.	Dimensional change percent Max.	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
3.	Tensile Strength Kg/cm ² (KPa*) Min.	6.63 (650)	9.18 (900)	12.75 (1250)	7.14 (700)	12.75 (1250)	15.50 (1550)	12.75 (1250)	15.50 (1550)	19.50 (1900)
4.	Compressibility at 28 Kg/cm ² (2800 KPa) percent	45-60	35-50	25-35	45-60	35-50	25-35	35-45	25-35	15-25
5.	Recovery Percent Min.	80	80	80	80	80	80	80	80	80
6.	Compression Set Percent Max.	80	85	90	80	85	90	80	85	90
7.	Chemical Test on water extracts : a) P.H. where applicable b) Chloride content (as chloride ion) c) Sulphate content (as sulphate ion)	5.0 to 8.50 0.2 percent Max. 0.2 percent Max			5.0 to 8.50 0.2 percent Max. 0.2 percent Max			5.0 to 8.50 0.2 percent Max. 0.2 percent Max		
8.	Volume change after immersion in ASTM oil No. 3 for 70 hours at 110° C temp	40 percent Max.			25 percent Max.			7 percent Max.		



Nitrile Rubber Rolls



Color : Black
Surface : Smooth OD
Temperature Range : -20° to 120°

Description : Nitrile rubber rolls are available for a range of applications in the industrial and residential markets. This type of Nitrile rubber has excellent stretching capabilities while remaining strong enough to be elastic. Nitrile Buna N rubber rolls are available in 65 to 75 durometer and can be ordered in other durometers by special request. With an average elongation of 300% and an average of 1,000 PSI tensile strength, Nitrile rubber rolls will handle most tough industrial environments and moderate to heavy alkaline and chemical resistive situations.

The High-Performance HNBR Gasket and Sheet for Oil Filled Transformer



Successful in many key industries. Excellent properties e.g. for Engine Components, Reliable Resistance to aggressive to fluid, Oil and Grease, able to function up to 165° C

Modern automotive engineering demands HNBR that can withstand high temperatures and aggressive substances and can meet the particular requirements of fuel-saving engine and car body designs. The demands in the oil exploration industry are just as high. Here, HNBR must weather aggressive environments, explosive decomposition and high mechanical stresses. Electrical Transmission & Distribution, Sealing. While HNBR products exhibit certain characteristics such as strength, heat resistance, and oil resistance superior to standard NBR and other polymers.

Nitrile Rubber Cord / Rod



Description : Nitrile Rubber Cord is a good choice for sealing those areas where fuel, solvents and hydrocarbons are being retained. The nitrile cord is resilient to many fuels and solvents while maintaining flexibility under pressure. Nitrile rod is typically not used in application where UV exposure is constant. o capture hydraulic fluids and fuel run off.

Applications: Used for O-rings and seals. Nitrile Rubber cord can also be used in areas where a light seal to capture hydraulic fluids and fuel run off.

Rubber Insertion Sheeting and Rolls



We are a leading organization engaged in manufacturing and supplying high-grade Industrial Rubber Products. In our range, we offer Electrical Insulation Anti-skid Rubber Mat, Natural Rubber Sheets, Nitrile Rubber Sheet, Neoprene Rubber Sheets and Shot Blasting Rubber Sheets. Our products are in accordance with the IS, BS and ASTM standards. These quality tested products have longer functional life, excellent resistance to temperature and are highly flexible. Owing to their quality, these products are extensively used in mining, earthmoving equipment, heavy engineering, electronic, cable insulating and automobiles industry, among others.



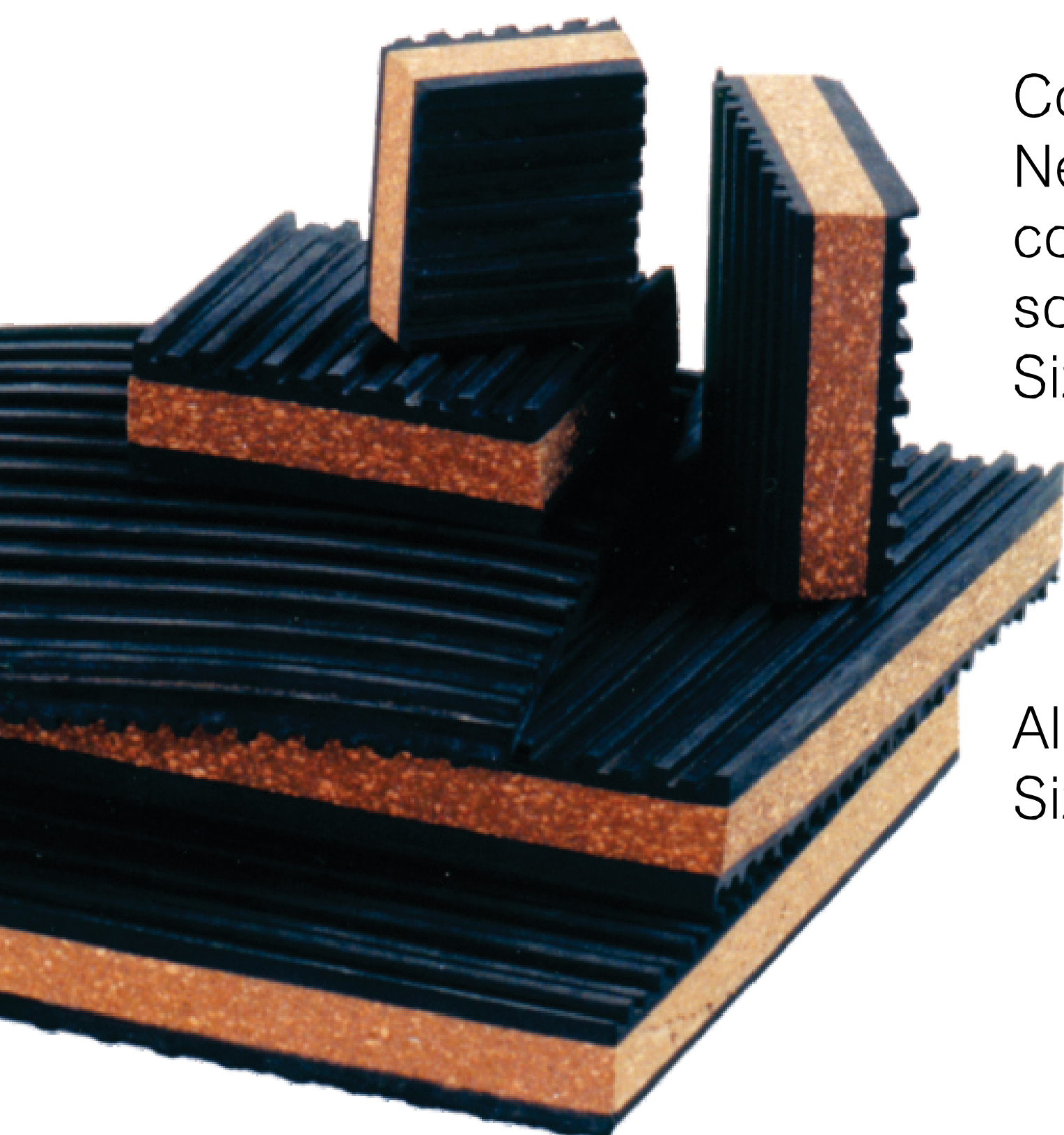
Anti-Vibration Pads

Anti-Vibration Pads are made from high quality Rubber elastomeric materials, Specially compounded to resist aging, compression set, water and oil.

These pads are designed and constructed with alternate rib height to offer additional vibration isolation under both high and low weight loads.

Available in an all-rubber pad with cross-ribbed design; also, a cross-ribbed pad 1/2" cork center for additional sound isolation. Durometer of all-rubber pad : 60±5 point on "A" scale.

Standard sheet size is 18" x 18" the all rubber is 3/8" thick. Smaller size are available in the cork and rubber pads.



Cork & Rubber Pads
Neoprene for resiliency combined with cork for sound isolation.

Sizes : 7/8 x 18" x 18"
7/8 x 6" x 6"
7/8 x 4" x 4"
7/8 x 3" x 3"
7/8 x 2" x 2"

All-Rubber Pads
Sizes : 3/8 x 18" x 18"

Installation Data :

The Anti-Vibration pad should be measured and cut so there is no more than 50 pounds per square inch of machine weight on it when installed. Since most machinery is designed with approximately 50 PSI maximum base loading, cutting a pad size of each foot on the machine, allowing 1/2" overlap all around, will generally insure proper loading.

To dampen vibration, a machine weighing 2,400 pound will require a Anti-Vibration pad approximately 6" x 8" ($2400 \div 50 \text{ PSI} = 48 \text{ sq. inches}$ or a 8" x 6" pad). A pas 3" x 4" under each legs is required, provided the weight is distributed evenly among the four legs. Tilt-beck presses normally carry more weight on the rear legs and therefore pad size should be adjusted accordingly.

For impact machines such punch pressed, drop hammers, etc., a lesser loading capacity is recommended generally 25 PSI. A double thickness of pad may be used to accomplish proper loading if desired.

In cases where hold-down bolts are necessary, the bolt should be isolated from the machine.

Recommended max. loading capacity : 50 PSI

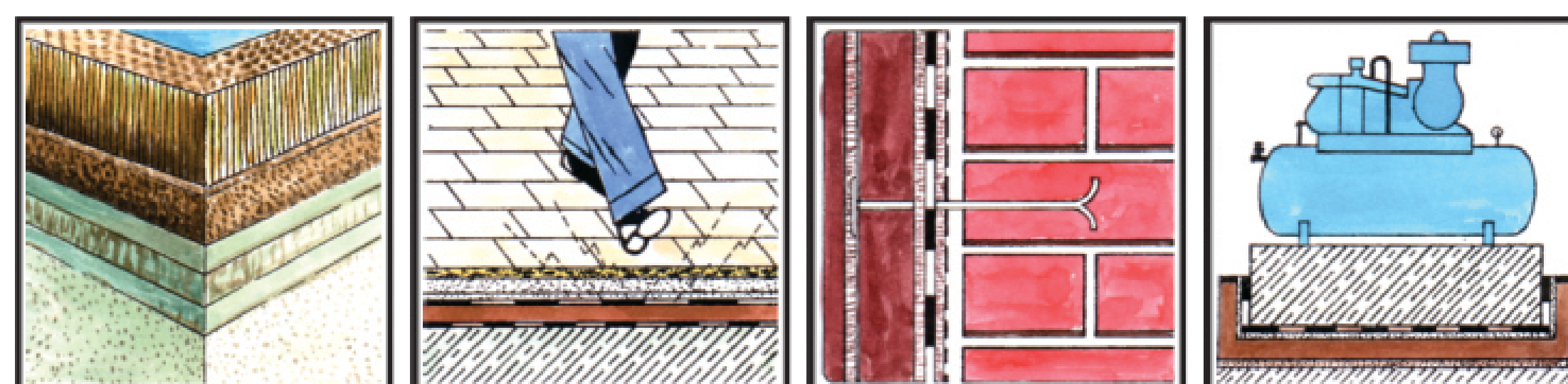
* PSI - Pound per Square Inch.

Corkboard for thermic, vibratic & sound insulation

It is, therefore, an ideal material for thermal insulation or cooling chambers, to improve noise levels or to provide vibration insulation for running machinery. Insulation Corkboard is an excellent thermal and acoustical insulation material, besides being imputrescible, resistant to compression and flexural efforts, and of great dimensional stability.

Vibration Control with Insulation Corkboard :

All running machinery of a certain size will generate vibrations that will transmit down to the floor. Such machinery should always be mounted on bearing pads and isolated from the other structural elements. Boards of high density insulation Corkboard will give excellent results in this type of isolation. Vibration related cracks will be a thing of the past.



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