



## PARAMOUNT INTERCONTINENTAL (P) LTD

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An ISO 9001:2008 & ISO 14001:2004 certified Organisation

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# PIONEERS IN INSULATION FOAM MANUFACTURING

Founded in the year 1997 as a part of the Paramount Group of Industries, Paramount Intercontinental made inroads in the packaging industry with a comprehensive range of Packaging Foam products.

Since then, it has continuously striven to diversify its product portfolio leveraging new age technology and foreseeing market demands. In the year 2003, Paramount Intercontinental spearheaded the revolution of environment-friendly chemically crosslinked closed cell Polyethylene insulation followed by the introduction of Oxide Acetate Foam for HVAC and Acoustical applications in 2016.

### Mission

To promote energy conservation through the use of supreme quality yet cost-effective insulation solutions in residential, commercial and industrial establishment



### Vision

To preserve our position as india's most dependable manufacturer & supplier of high quality insulation products, and also as the true "insulation experts in india" by thinking green, building green and using green.

An ISO 9001:2008 certified enterprise, Paramount Intercontinental sources its raw material from established partners across the globe thereby allowing it to manufacture industry and client-specific range of green products.



### Quality & Testing

Committed to make Paramount Intercontinental synonymous with outstanding quality, we give level best importance to the quality of our entire product range. Therefore, each and every product undergoes a highly stringent quality test before the final dispatch. In addition to this, our highly skilled and experienced team of installers always adheres to the optimum quality parameters during the installation process. This unparalleled qualitative approach lends a leading edge to the company to place itself as the most trusted domestic manufacturer and supplier of insulating products that are at par with global standards.



# Manufacturing

This is how Paramount Intercontinental comes up with its **'Globally Exclusive'** product range-



## Compounding & Mixing

The manufacturing process starts with the compounding, the PE Resin is mixed in Kneaders with the crosslinking agent, the eco-friendly blowing agent and additives (colours) process. The compounded material is then mixed with soft plastic granules in the Silos.



## Extrusion

This is then fed to the Mother Sheet Extrusion line for the extrusion process and achieving desired thickness as per various industry standards. It is in the extruders that the sheets are mixed with foaming agents to achieve 3mm-100mm sheets in continuous roll form.



## Cross-Linking

The foam sheets are then passed through pre-heated oven chambers for cross-linking. Paramount has in-house capability to offer XPE foam sheets in both open cell and closed cell techniques.



## Slitting & Bonding

Considering the varied demands of the industry, XPE Foam is offered in varying thickness and laminations. An in-house setup of advanced slitting machines enables the company to offer precise longitudinal cuts. Slitting is followed by the lamination process, if required, where the company has the capability to offer XPE Foam sheets in - Metallised polyester foil lamination, Aluminum foil lamination, and UV barrier film lamination.

# Products



## Acco Isolate Insulation (Acoustic Insulation)

Acco Isolate Insulation (Acoustic Insulation) is an Open Cell Oxide Acetate Foam which is used for acoustical application. This is an exclusive product made using 100% in-house foam technology, and Paramount Intercontinental is its sole manufacturer in the world. It is world's best material for noise and vibration control upto 90%. The product scores very heavily over Nitrile Rubber and XPE foam. Being an innovative blend of Nitrile Rubber and XPE foam, this material is UV protective and has Class 0 fire properties as per BS 476 part 6. It finds applicability in AC Ducting, D.G. Rooms, Building Walls and Partitions etc.

**TECHINCAL DETAILS :** ACCO ISOLATE INSULATION (Acoustic Insulation) - Open cell Oxide acetate foam:

S.No.	Properties	Standard	Technical Details
01.	Material		Oxide Acetate Foam
02.	Cell Structure		Open cell, Crossed Linked, Stress Crack Resistant
03.	Physical Appearance		One side open cell, Soft, Flexible & Glossy
04.	Density	JIS K6767	30 to 60 kg/m <sup>3</sup>
05.	Noise Reduction coefficient	IS:8225-1987 (Equivalent to ISO: 354 - 1985 and ASTM 423-90)	
	10 mm (30 to 33kg/m <sup>3</sup> density)		NRC : 0.50
	15 mm (40 kg/m <sup>3</sup> density)		NRC : 0.65
	25 mm (50 to 60kg/m <sup>3</sup> density)		NRC : 0.84
	35 mm (50 to 60kg/m <sup>3</sup> density)		NRC : 0.86
	Color		Black
06.	Service Temperature Range	Using Climate Chamber	-70 Deg C To 100 Deg C
07.	Ultra Violet Ray Impact		Negative, Bare Foam is UV resistive
	Thermal Conductivity	IS 3346/1980	0.029 W/MK at 0 Deg C
08.	<b>Fire Test</b>		
a	Surface Spread of Flame	BS 476 PART 7	Class 1
	Fire Propagation Index	BS 476 PART 6	Class O
09.	Fungal Resistant	ASTM G-21	Negative (No growth observed)
10.	Bacteria Resistance	ASTM G-22	Negative (No growth observed)
11.	Mold Growth	IS 3144:1992	Negative (No growth observed)
12.	Ageing	ASTM C 177	No Impact of ageing
13.	Overall Migration Test	IS 9845 - 1998	Negligible effect of acids & alkalis
14.	Water absorption	JIS K6767 - 1976	0.002 G/Cm <sup>2</sup>
15.	Compressive Strength	ASTM D 3575 - 91	30 KPA
16.	Elongation Break	JIS K 6767 - 1976	200 - 250 %
17.	Tear Strength	JIS K 6767 - 1976	2.5 KN/M
18.	Tensile Strength	JIS K 6767 - 1976	450 KPA
19.	Hardness	JIS C	15-20 Degree

