

INNOVATORS IN POLYMER TECHNOLOGIES



THE ALP GROUP



**BUILDING
SEGMENT**
Product Range

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ABOUT THE ALP GROUP



TURNOVER
USD 200 million



Founded in 1985



13 companies spread across the globe



Core expertise in R&D, designing and producing EPDM and rubber polymer based innovative products



Portfolio of over 10,000 products

- **Global Construction Industry:** Weather Sealing, Thermal and Acoustic Insulation Solutions
- **Global Automotive Sector:** An OEM and aftermarket supplier for Weather Sealing systems

ABOUT ALP OVERSEAS

We are an established manufacturer and supplier of wide range of high-quality PVC, Rubber Extrusion and moulded products with an expertise in producing world class sealing systems. ALP Overseas also supplies Building Profiles, Thermal and Acoustic Insulation products to the domestic & global construction industry. The ALP Group has been providing quality products to the various geographical locations of the world directly & through its subsidiaries in South Africa and Thailand for manufacturing and Joint Ventures in Melbourne, Barcelona and New York for sales and warehousing. The reason for the tremendous success of the ALP Overseas can be attributed to its state-of-the-art company infrastructure, machinery, a team of well-trained personnel and modern manufacturing facility.

The manufacturing facility is constantly upgraded to help the company fulfill the demands successfully. For the purpose of managing the operations in a well-planned manner, the facility is segmented into various units, which are highly operational in nature.

S.N.	Machine	Capacity (Per month)	
01.	Moulding Presses	More than 50	
02.	Extrusion Line	23 (Rubber-18, PVC/TPR-5)	

S.N.	MAchine	Capacity (Per month)	Capacity (Per annum)
01.	Extrusion Capacity	8 million mtr.	96 mtr.
02.	Compounding	1400 metric tons	16,800 tons
03.	Moulding Capacity	10.5 million shots	120 shots

ABOUT ALP AEROFLEX

ALP Aeroflex India Pvt. Ltd., part of the \$120 Million ALP Group, is a joint venture of India-based ALP Overseas and Thailand-based Aeroflex, a part of Eastern Polymer Group that was established in 2011 for the manufacturing of Ethylene Propylene Diene Monomer (EPDM) insulation sheets, tubes and accessories for refrigeration and air-conditioning. With a vast network of strategically located warehouses and fabrication facilities, the company is uniquely positioned to service customer needs in a timely fashion with products that will meet their specific requirements. The corporate office is situated in the corporate hub of Haryana, Gurgaon, India, and has its plant at Rudrapur in state of Uttarakhand.

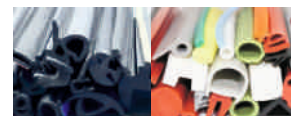
With more than 20 years of experience ALP Aeroflex has become synonymous with quality and reliability, offering sustainable solutions that enhance comfort, save the environment and reduce energy to an absolute minimum.

S.N.	Item & Material	Installed Capacity (Per month)	Installed Capacity (Per annum)
01.	NTRL/EPDM Sheet	200 tons	2400 tons
02.	NTRL/EPDM Tube	10,000 boxes	1,20,000 boxes
03.	Laminated Foil	60,000 mtr	7,20,000 mtr
04.	Accosound	1000 blocks	12,000 blocks
05.	Tapes Accessories	75,000 pcs	9,00,000 pcs
06.	Sliting m/c	35,000 mtr	4,20,000 mtr

DOOR & WINDOWS SEALING PROFILES



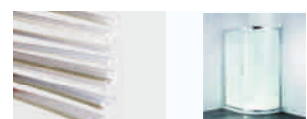
PVC RIGID AND
SOFT PROFILES



EPDM GASKETS



SILICONE SEALS FOR FIRE
RATED DOORS



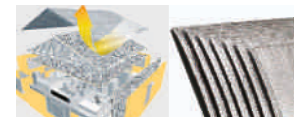
SHOWER CUBICLES
SEALS AND PROFILES



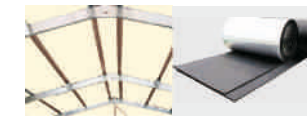
THERMAL STRIPS



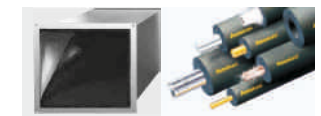
EPDM SEAL



ELASTO UNDERDECK



ELASTO UNDERROOF



DUCT INSULATION
TUBES



MTS INSULATION
SHEET



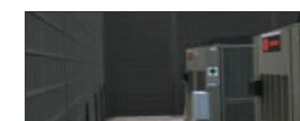
UNDERLAY PROFILE



COLORSPACE EPDM
COLORED GRANULES



CHILLED WATER PIPING
WITH NBR INSULATION



AHU ROOM WITH WALL
ACOUSTIC

EPDM / TPE GASKETS

ARCHITECTURAL PROFILES

Provides compact grip for glass panes within the aluminum and uPVC door & window frames in new age building construction. The sealing profiles keep out dust, wind and water entirely. Long exposure to harsh climatic conditions have no impact on it, keeping the product intact.

Properties	Standards	Specification Achievable
Hardness	ASTM-D2240	55-95 Shore A
Tensile Strength	ASTM-D412	7-11 Mpa
Tear Strength	ASTM-D624	15-25 Kg/cm
Elongation at Break	ASTM-D412	100-500%
Compression Set %	ASTM D395	30-50%
Flammability	UL 94	HB
	FM VSS302	Passed
	IS15061	Passed
	ASTM D1149,	
Ozone Resistance	100 PPHM	No Crack
Heat Ageing Resistance	ASTM D573	
Δ Hardness	ASTM-D2240	+10, -5
Δ TS (%)	ASTM-D412	-25 Max
Δ EB (%)	ASTM-D412	-35 Max
Sp. Gravity in Solid	ASTM-D297	1-1.25
Sp. Gravity in Sponge	ASTM-D297	0.40-0.80
UV Resistance	-	Excellent
Water Resistance	-	Excellent
Low temperature properties	-	Excellent
Oxidation Resistance	-	Excellent



EPDM SEALS AND PROFILES

PRODUCT RANGE

- EPDM solid/dense rubber profiles
- EPDM sponge rubber profiles
- EPDM co-extruded gaskets in dual durometer hardness
- Coloured EPDM rubber extrusions
- EPDM rubber extrusions with tape
- Silicon sealant compatible EPDM rubber gaskets
- Moulded corners
- EPDM rubber moulding like drainage caps
- EPDM rubber profiles for stick and unitized systems

FEATURES

- Excellent UV stability & resistance to light fastness
- Excellent resistance to weather & ozone
- Excellent resistance to water & steam
- Excellent resistance to acids, alkali & oxygenated solvent
- Reinforcement of silica fillers
- Perfect sealing with glass, window or door frames



DOOR WINDOW SEALING PROFILES

Extruded & self adhesive EPDM cellular rubber sealing profiles cover all gaps of doors and windows improving indoor comfort.

Available in standard design or custom made profiles according to your needs.

ADVANTAGES

- High resistance to weather & wind
- Reduces door shutting noise
- resists cracking & maintains temperature gradient closes door gaps
- Quick, easy & clean to use
- Stops dust to come in
- Improves air-conditioning
- Avoid leakages from doors & windows
- Free from hazardous substances
- UV resistant commercial door strips: Reduces energy expense



SILICON SEALS & PROFILES

Silicone rubber offers good resistance to at extreme temperatures ranging from -55°C to +200°C. The tensile strength, elongation, tear strength and compression set are far superior to conventional rubbers. Organic rubber has a carbon to carbon backbone which can leave them susceptible to UV, ozone, heat and other ageing factors that silicone rubber can withstand well.

FEATURES

- Excellent UV resistance
- Weather resistance
- Ozone & Ageing resistance
- Non-toxic in nature suitable for food grade
- ROHS & REACH Compliance
- Broad application temperature range (-60°C to +230°C)

TECHNICAL SPECIFICATION		
PROPERTY	STANDARD	SPECIFICATION
Hardness	ASTD D2240	65±5 Shore A
Tensile Strength	ASTM D412	Min 6.0 MPa
Elongation at Break	ASTM D412	Min 400%
Tear Strength	ASTM D412 (Die B)	Min 15 N/mm
Compliance	ROHS, REACH	Compliance
Flamability	FM VSS302	Pass
Application Temperature	-	-60°C to +200°C *
Limiting Oxygen Index	BS2782 Part 1	~26%

* Intermittent temperature use up to +230°C

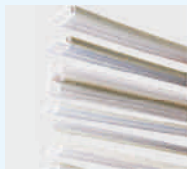
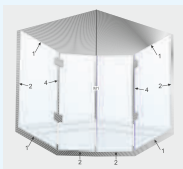


SHOWER SEAL & PROFILES

FEATURES

- Translucent/ Transparent material with a tint of light blue & violet
- Resistance to mold, Fungi & moisture
- Function: Good water-resistant, heat insulation performance
- UV resistant gaskets and seals
- All our sealing strips are made of high quality clear vinyl & it doesn't turn yellow even after years of usage
- ROHS compliance material
- Durable and with high rigidity
- Easy to install
- Easy to clean

MATERIALS SPECIFICATION	
Properties	Specification
Materials	Rigid & Soft PVC
Color	Transparent (Bluish & Violet Tint)
Hardness	80± 3D & 75 ± 3A
Tensile Strength (Rigid)	Min. 350 Kg/cm ²
Tensile Strength (Soft)	Min. 100 Kg/cm ²
Elongation at Break (Rigid)	Min. 50%
Elongation at Break (Soft)	Min. 200%
UV Resistant	GSR 3-4 (100 Hrs)
Antimicrobial/Antifungal	ASTM G21 (Pass)
ROHS	Compliance
Application Temperature	-20°C to + 65°C

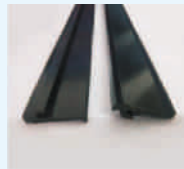


PVC RIGID & SOFT PROFILES

ALPs PVC rigid and soft profiles are being used worldwide in building construction, automobile, and industrial segment. These profiles are manufactured by experts using modern technology & the best quality of polyvinyl chloride. These products can be manufactured or customized according to the demands of the clients. All our products are tested on multiple parameters to ensure best quality and thus helping organizations achieve their predefined targets.

FEATURES

- Single extrusion of rigid PVC
- Used to prevent the heat transfer from outside to inside of building
- High temperature resistance upto 70°C
- Low temperature resistance upto -10°C
- FR properties requirement of PVC material



COLORED GRANUELS

COLORSPACE
EPDM GRANULES

ALP is a trustworthy brand for EPDM rubber granules in India brought to you by ALP Overseas, assuring you of high quality products - matching European specification standards, in a wide range of colors at very affordable prices for application areas like sports surfacing, educational institutions, hotels, malls & other private semi-government institutions.

FEATURES

- UV resistant
- Bright Colors
- Soft, Safe & durable
- All Weather
- Non-skid
- Anti skid
- Anti fungal
- Anti bacterial

STANDARD COLORS			
DARK BLUE (AB1)	OCEAN BLUE (AB2)	LIGHT BLUE (AB3)	PURPLE (AP4)
Parrot Green	LIME GREEN (AG6)	FOREST GREEN (AG7)	BROWN (AB8)
ORANGE (AG9)	PINEAPPLE ORANGE (A-04)	TERRACOTTA (AT10)	BLOOD RED (AR102)
GRAY (AG13)	YELLOW (AY12)	BLACK (AB15)	WHITE (AW14)
Customized color options available on request			



EPDM UNDERLAY

FEATURES

- Highly sustainable and completely recyclable.
- Suitable for all floor finishes including ceramic, granite, stone & marble tiles.
- Offers long term performance without distorting
- Resistant to ageing and deformation.
- Quick and easy to install. simply band to the sub-floor beneath the final floor finish.
- Zero global warming potential (GWP) & zero ozone depletion potential (ODP)
- Accreditation to ISO 9001, ISO 14001 & ISO 19001

TECHNICAL SPECIFICATION	
Density (ASTM D 1056)	1000±100 Kg/m ³
Tensile Strength (ASTM D412)	Min 10 Kg/cm ²
Elongation at Break (ASTM D 412)	Min 50%
Application Temperature	-40°C to +120°C
Burning Rate	FMVSS 302 (Pass)
Burning Rate	IS 15061 (Pass)
STC (DIN: 52210 Part IV-1984)	DIN: 52210 Part IV-1984
Thermal Conductivity (ASTM C 518)	0.049 W/m.K @20°C
Adhesive Type (For Self Adhesive)	Acrylic-PSA



AEROFLEX EPDM SHEETS & TUBES

AEROFLEX is a closed cell flexible elastomeric foam made from EPDM rubber. This material has low thermal conductivity and high water vapour diffusion resistance. It is CFC/ HCFC free and dust and fiber free. It ensures energy saving in eco friendly manner. This product meets insulation requirement in diverse fields such as the automobile, air conditioning & refrigeration industry, construction industry, pharma industry, hotels/ hospital and cold storage industry.



UNDER DECK SHEETS

Product Range

- EPDM solid/dense rubber profiles
- EPDM sponge rubber profiles
- EPDM co-extruded gaskets in dual durometer hardness
- Coloured EPDM rubber extrusions
- EPDM rubber extrusions with tape
- Silicon sealant compatible EPDM rubber gaskets
- Moulded corners
- EPDM rubber moulding like drainage caps
- EPDM rubber profiles for stick and unitized systems



AFLEX ECO CLASS - 1

Aflex-ECO is a closed cell flexible elastomeric foam made from Nitrile rubber. This material has low thermal conductivity and high water vapour diffusion resistance. It is CFC/ HCFC free and dust and fiber free. It ensures energy saving in eco-friendly manner.

PRODUCT FEATURE:

Quick & easy to install with no special tools | Flexible, durable and easy to handle | Excellent compression strength due to closed cell structure. | Superior thermal insulation properties over other open or semi closed cell insulation material | Very high diffusion resistance and no cladding is required if installed inside. | Class 1 fire safety as per BS 476 part 7.



AEROCELL CLASS = O

PRODUCT FEATURE:

Completely closed cell elastomeric nitrile insulation | Quick and easy to install with no special tools | Flexible, durable and easy to handle | Excellent compression strength due to closed cell structure. | Superior thermal insulation properties over other open or semi closed cell insulation material | Very high diffusion resistance and no cladding is required if installed inside. | It is available with reinforced aluminium foil, Glass cloth and self adhesive backing | Wide working temperature (-40°C to +105°C). | It meets class O fire performance as per BS 476 Part 6 & 7, UL 94 flammability class V-0 and it is FM Approved.



BIO FLEX ANTI MICROBIAL DUCT INSULATION

Bio-flex, the new range of anti-microbial cellular elastomeric nitrile rubber insulation from aerocell. ALP aeroflex has regularly displayed an ability to innovate and bring a range of quality rubber products continuing in the same spirit to innovate, upgrade and expand, the company has introduced the anti-microbial closed cell expanded elastomeric nitrile insulation.

FEATURES

- Completely closed cell elastomeric nitrile insulation
- Quick & easy to install with no special tools
- Flexible, durable and easy to handle
- Excellent compression strength due to closed cell structure
- Superior thermal insulation properties over other open or semi closed cell insulation material



ACCOSOUND ACOUSTIC INSULATION

ALP Accosound is a blended elastomeric nitrile rubber acoustic absorber having open cell structure with complex pore geometry for effective absorption of air-borne sound across a broad range of frequencies.

The high density provides an effective barrier to sound transmission. The elastic properties helps to dampen the structure-borne noise transmission. **(EPA approved anti-microbial agent)**



MTS SHEETS SOUND INSULATION

MTS is a kind of unvulcanized butyl rubber sheet with high specific gravity having outstanding chemical stability, sound insulation and vibration damping property. This is a light weight flexible foam material designed for clean room insulation applications. It is available in sheet and pipe form.

FEATURES

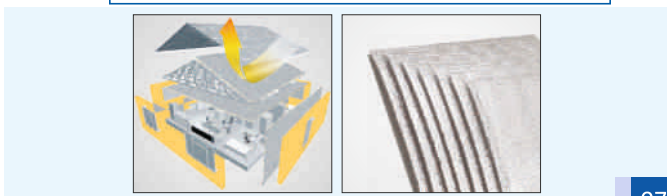
- Superior sound insulation property
- Can be combined with various sound absorbing materials
- Applicable to bent area because of flexible sheet



NBR ELASTO ROOF

Elasto roof is a NBR foam insulation sheet laminated on one side with highly reflective aluminium foil and on the other side it is open cell. It reduces 95% of radiant heat, minimies condensation and reduces noise transmission.

TECHNICAL SPECIFICATION			
Parameters	Unit	Value	Standard
Material	NBR Foam with highly reflective Aluminum foil		
Nominal thickness	mm	7.5	
Packing Standard (WxL)	m	1.2x40	
Density	kg/m ³	40-60	ASTMD1056
Service Temperature	°C	-40 to +110	
Emissivity	%	5	ASTM C1371
Reflectivity	%	95	ASTM C1371/E903
Thermal Conductivity @ 20°C	W/mK	≤0.033	
Thermal Resistance @ 20°C	M ² /K/W	0.227/0.106	ASTM C423/ISO354
Noise reduction coefficient		0.25	
Water vapor diffusion resistance index		≥12000	ASTM E-96
Bleeding & Delamination Test		Pass	ASTM C1224
Corrosion Risk		pH7 (Neutral)	
Fungal resistance test		No growth	ASTM G21
Ozone Depleting substances (CFC/HCFC)		Not detected	
Surface flame spread		Class 1	BS-476 Part 7
Rate of Burning		Pass	HB (UL 94)
Practical Fire Behavior		Self-Extinguishing, does not drip & does not spread flames.	ASTM D635
Resistance to Oil & Grease		Very Good	
Odour		Negligible	



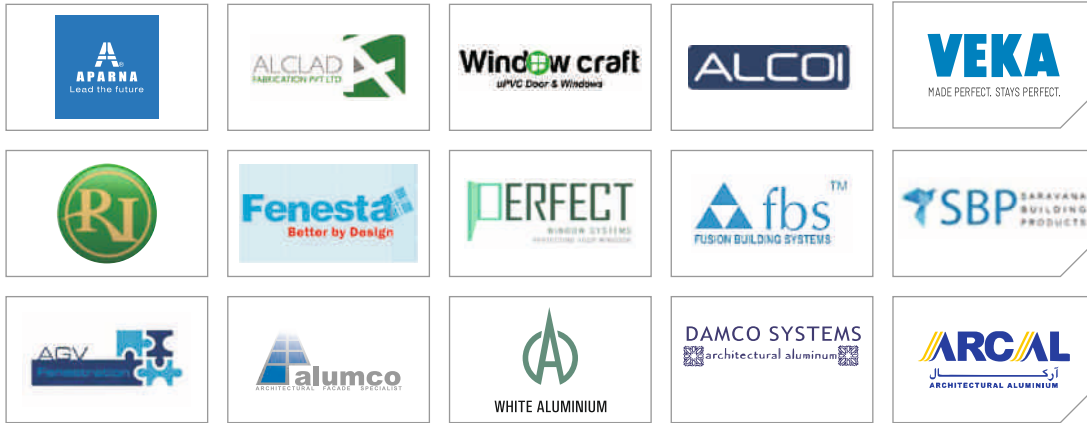


ALP AEROFLEX CERTIFICATES, CERTIFICATIONS & ASSOCIATIONS





GROWTH PARTNERS



ASSOCIATION WITH



GROWTH PARTNERS



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