

SUPREME PETROCHEM LTD



L O O K I N G B E Y O N D

JUNE 2015

Jointly Promoted By



The Supreme Industries Ltd

India's Largest Plastic Processors (Processed 300,000 mt of various Polymers in FY13-14)

- Industrial and Engineering Moulding
- XLPE Films & Products
- Protective Packaging
- Plastic Piping Systems
- Molded Furniture
- 22 Plants across India

R. Raheja Group

Business Interests :

- Hotels
- Building construction
- Cement
- Media
- Automotive Batteries
- Ceramic Tiles
- Satellite Communication
- Retail Superstores



JW MARRIOTT
MUMBAI



Supreme Petrochem Ltd (SPL)



- **INDIA's largest Polystyrene manufacturing company**
- **Supreme Petrochem made a modest beginning in 1995, with a Polystyrene plant of 66,000 TPA capacity at Nagothane .**
- **Undisputed leader in Polystyrene & EPS in India today.**
- **Close to 50-55% market share in Polystyrene in India**
- **Exports to over 104 countries worldwide.**
- **India's first facility to manufacture XPS Boards with a capacity of 150,000 m³/year.**

Supreme Petrochem Ltd (SPL)



Businesses

- **Polystyrene**
- **Specialty Compounds**
- **Expandable Polystyrene – EPS**
 - **Standard & FR Grades**
 - **Food Grade (Cup grade)**
- **Extruded Polystyrene - XPS**

SPL : Plant Location & Facilities



Nagothane Plant:

State of the art manufacturing facility across 333 acres complex at Nagothane, 120 km from Mumbai

➤ Installed capacity ;

- Polystyrene : 272,000 TPA
- Specialty Compounds : 33,500 TPA
- Expandable Polystyrene : 24,000 TPA + 24,000 TPA Food grade EPS
- Extruded Polystyrene : 1,50,000 m³

➤ Technology : Erstwhile Huntsman Chemical Corp, USA (Now with Nova Chemicals, Canada) for PS & Ultrabatch, Italy for Additive Masterbatches, Nova International for Cup grade EPS.



SPL : Plant Location & Facilities



Manali (Chennai) Plant:

- State of art manufacturing facility in 15 acres at Manali, Chennai
- Technology: Shinho Petrochemicals, Korea for EPS



SPL: Quality Benchmark



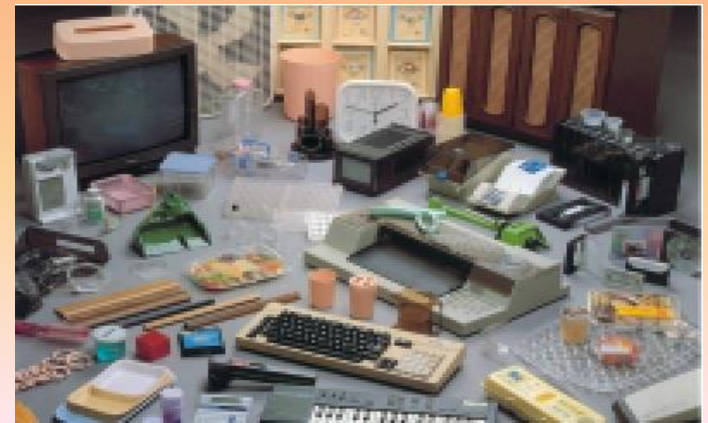
- ISO 9001:2008 for Quality Management System.
- ISO/TS 16949 certified by M/s BVQI
- ISO 14001 :2004 for Environment Management System.
- OHSAS 18001:2007 for HSE Management System.
- 5 star Rating on Health & Safety Management System by British Safety Council.
- Signatory to 'Responsible Care' initiative in India.
- Implementing 'Six Sigma' programs for enhancing customer satisfaction.
- UL rating as per UL94 V0 & V2 rating for FR HIPS and several grades.
- Food Contact Approval as per EU requirements and compliance with US
- FDA requirements.
- CFTRI, India - Qualification for food packaging products.



SPL: Polystyrene



- SPL offers a wide range of
 - ❑ General Purpose Polystyrene (GPPS)
 - ❑ High Impact Polystyrene (HIPS)for Injection , Extrusion ,Thermoforming and Blow molding applications with combinations of toughness, rigidity, HDT and flow behavior.
- SPL can supply PS with < 1000 ppm of residual Styrene monomer, and ethyl benzene... a major requirement for food contact applications in EU and U.S.A. market.



SPL: Specialty Compounds



Specialty Compounds Product Portfolio

- Pre Coloured Polystyrene
- Flame Retardant Polystyrene
- Toughened Polystyrene
- Masterbatches
- Polyolefinic Compounds

SPL: Specialty Compounds



❑ Pre Coloured Polystyrene

- Pre Coloured High Gloss HIPS for AC, Washing machines, Refrigerators, Water Purifiers, Water Heaters, Sanitary ware etc.
- Pre Coloured HIPS for Printer parts, High end Toys, Medical Diagnostic kits etc.
- Pre Coloured ESCR HIPS for Refrigerator liners.
- Wide range of colours complying with ROHS, regulations for Food, Cosmetics, Toys etc.
- Both UV stabilised and non UV grades available.
- Very strong presence with globally renowned manufacturers of Appliances.



SPL: Specialty Compounds



❑ Flame Retardant Polystyrene

- Suitable for applications where fire resistance and safety are of concern.
- Range of UL 94 approved, ROHS & REACH compliant V 0 & V 2 grades in natural and pre coloured shades.
- Recommended for TV back covers, Electrical appliances, Business machines, Laboratory instruments, Electrical distribution boxes etc.



SPL: Specialty Compounds



☐ Toughened Polystyrene

SPL's Toughened Polystyrene grades offer high clarity with improved flexibility making them suitable for

- Hangers
- Food service ware
- Toys
- Medical devices



SPL: Specialty Compounds



□ Masterbatches

- Technology Partner : Ultrabatch s. r. l, Italy
- Wide range of Masterbatch for diverse applications like injection moulding, extrusion and thermoforming.
- Product range includes:
 - Colour Masterbatches
 - Specialty Masterbatches
 - Anti Fibrillating Masterbatch



SPL: Specialty Compounds



- **Colour Masterbatches**
- **White Masterbatches**
 - Latest generation PE & PS based White Masterbatch with TiO₂ loading of 40 to 80%
- **Grey Masterbatches**
 - Standard grades for appliances /electronic industry
- **Green Masterbatches**
 - Specially developed PP based Masterbatch for PPRC pipes & fittings.
- **Blue Masterbatches**
 - Blue Masterbatch for Tarpaulins, Material Handling Crate, HDPE Barrels



SPL: Specialty Compounds



➤ Specialty Masterbatches

➤ Nucleating Masterbatches

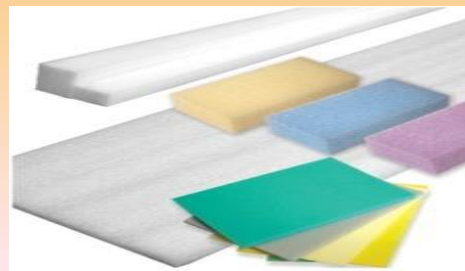
- Specially developed PS based Masterbatch for homogeneous foaming in PS and PE sheets

➤ Additive Masterbatch

- Improves the strength of disposables & minimizes breakages in HIPS

➤ Optical Brightener

- Optical Brightener for PE/PS foam, Multilayer and monolayer films, Injection & Blow molded articles.



SPL: Specialty Compounds



➤ Productive Masterbatch

- Specially designed for PP thermoforming for improving productivity.

➤ Antiblock Masterbatch

- Polyolefin based masterbatch for monolayer and multilayer films to remove blocking between two layers of films.

➤ Slip Additive

- Slip additive for Multilayer films and other various application.



SPL: Specialty Compounds



➤ UV Masterbatches

- PE and PP based masterbatches with active Content of 10 % & 20%

- FIBC,Woven Sack, Green House Films, Injection molded Container.

➤ Anti fibrillating Filler Masterbatch

➤ Talc Filled Masterbatch for

- HMHDPE bags & liners , Leno bags etc.

➤ Calcium Filled Masterbatch for

- Shopping bags, FIBC, woven sack etc.



SPL: Specialty Compounds



□ POLYOLEFINIC COMPOUNDS

SPL offers customized PP Compounds with consistent quality.

Product range include:

- Mineral reinforced
- Elastomer reinforced
- Impact modified
- Flame retardant
- Coloured PP

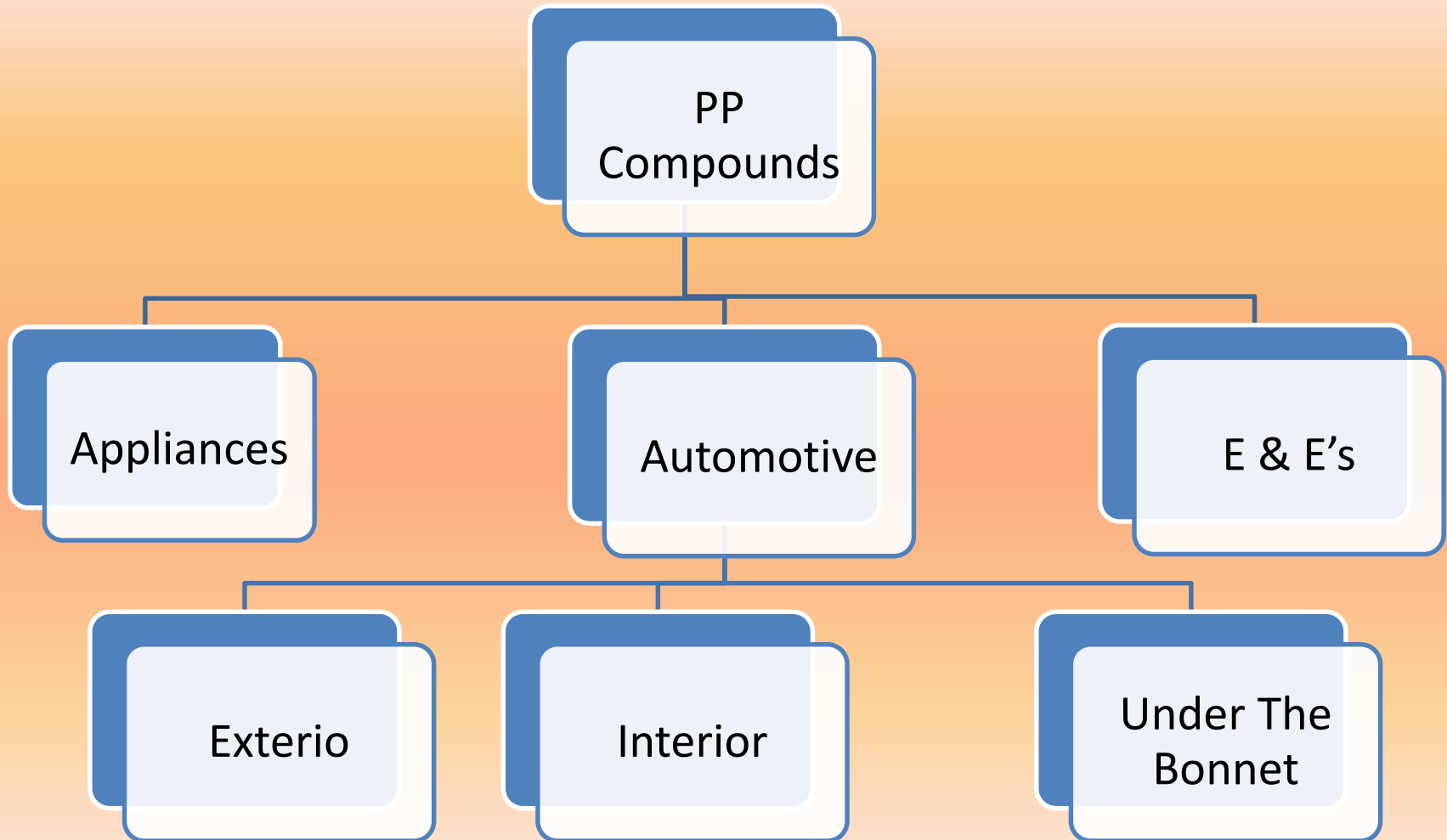


These cater to diverse market segments including Automotive, Appliances, E&Es & Telecommunication.

SPL: Specialty Compounds



POLYOLEFINIC COMPOUNDS - Applications



SPL: Specialty Compounds



Automotive: Exterior

- Bumper System
- Other Exterior Parts

Automotive: Interior

- Instrument Panel
- Door Trims

Automotive: Under the Bonnet

- HVAC Components
- Timer belt cover

Two Wheeler

- Battery Containers
- Air Filter assembly



SPL: Specialty Compounds



Appliances

- A.C. grills
- A.C. shrouds
- Dip tray
- Cooler tank
- Room Heater
- Refrigerator base
- Washing machine parts
- W.M. Spin Tub
- Iron Housing
- Water Purifier
- Appliances body



SPL: Specialty Compounds



Refrigerator Industry :

We service more than 70% refrigerator Industry in India as well as supply to number of companies in Dubai, Egypt, South Africa etc.

Grade	Application	Current Customers
<ul style="list-style-type: none">•ESCR Grade HIPS SH2157 (Natural)•ESCR Grade SP2157 XXXX Pre-colored (X:Colour Code)	Refrigerator Canbinet and Door liner	Cosmoplast –Dubai, Whirlpool-India, South Africa, Ideal/Delta Group-Egypt, Godrej-India, Videocon-India, Haier-India
<ul style="list-style-type: none">•High Gloss HIPS SH400M (Natural)•High Gloss SP400 XXXX Pre-colored (X:Colour Code)	High gloss for Refrigerator End cap, door handle, egg containers	Kiriazzi Group-Egypt, Samsung-India, Whirlpool-India
<ul style="list-style-type: none">•HIPS SP6409	Glossy Cap layer for door/ Cabinet liner of refrigerator	Whirlpool-India
<ul style="list-style-type: none">• HIPS SH03	Injection molded parts such as egg containers in refrigerator	Godrej-India, Whirlpool-India
<ul style="list-style-type: none">• GPPS SC201LV	Injection molded crystal clear vegetable trays, drawers etc inside refrg. (Transparent application)	Godrej-India, Whirlpool-India, Samsung-India & Kiriazzi-Egypt

SPL: Specialty Compounds



Washing machine Industry :

We are regular supplier of Precoloured Version of High Gloss HIPS (SH400M) to various local manufacturers in India...like Samsung, Whirlpool, Videocon etc. For application like Panel Sytem Parts, Tub top, lid, Styling parts etc.

Available in different shades of Grey, Blue, White, Pink, Green etc. We can develop the precolored shade according to requirement to ensure lot to lot consistency.

Furniture Industry :

Our special compound SP8512 XXXX for molding "Zero Warpage" furniture, especially intended for tables, Almirah, Cupboard, Teapolys, Benches etc. This can be available in custom shades.

We can also supply Standard furniture compound with 60% filler content.

SPL: Specialty Compounds



Iron Body & Mixer Base:

We have High Gloss PP Compound grade SP8526 XXXX developed for Philips, India for appliance like Iron body, Mixre base & body, Food processor parts, room cooler body, water heater body etc.

Paint Bucket (Pail):

Our special PP compound with 70% Calcium Carbonae (CaCO_3) filled Polyporopylene to obtain a very smooth surface needed to stick lable on paint buckets. This compound can be also used for application like Garden Furniture, White goods, Kitchen appliances & Electrical appliances.

SPL: Specialty Compounds



Flame Retardant Compounds

Range of UL 94 approved, ROHS & REACH compliant V 0 & V 2 Polypropylene grades in natural and pre coloured shades for

- Capacitor canisters
- Electrical enclosures
- Telecom battery containers
- Railway battery containers
- Mining battery containers
- Electrical distribution components,
- Fuse carriers, enclosures
- Domestic appliance housing
- Corrugated tubes of wire harness



We are one of the major supplier of FR Compounds to EXIDE Industries, India for battery body application.

Expandable Polystyrene(EPS)



- **Current Capacity of 27,000 TPA at Manali, Chennai plant designed mainly to cater to South Indian market requirements.**
- **A new Plant of 24,000 TPA commissioned at our existing Petrochemical complex in Nagothane for catering to West/North India requirement.**
- **Grades available for protective packaging and Insulation applications.**
- **Separate line for Food grade EPS commissioned in Nagothane complex with Nova technology**
- **Product Off Take agreement with Nova Chemicals for Food Grade EPS for catering to their customer requirements in SE Asia markets.**
- **With total EPS Capacity of 78,000 TPA, SPL has emerged as a leader in this segment in India**

EPS Applications



Wall Insulation



Grapes Packaging



Insulated Concrete Foam



Fish Boxes

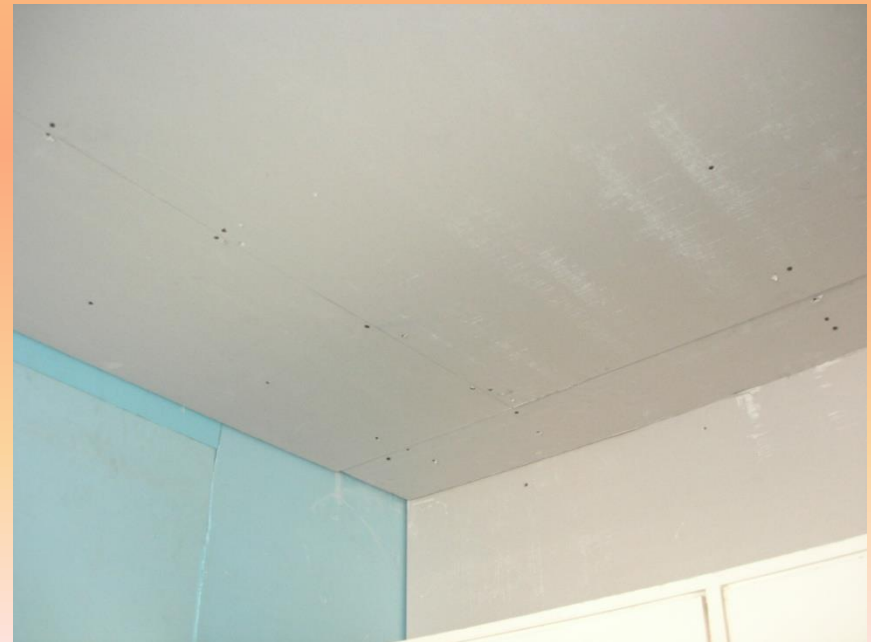
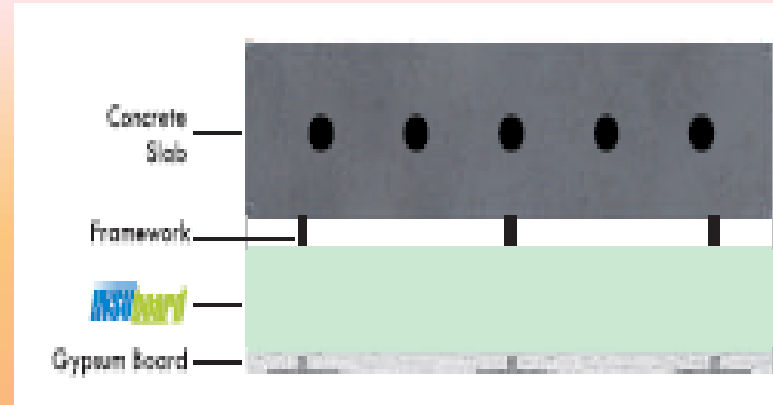
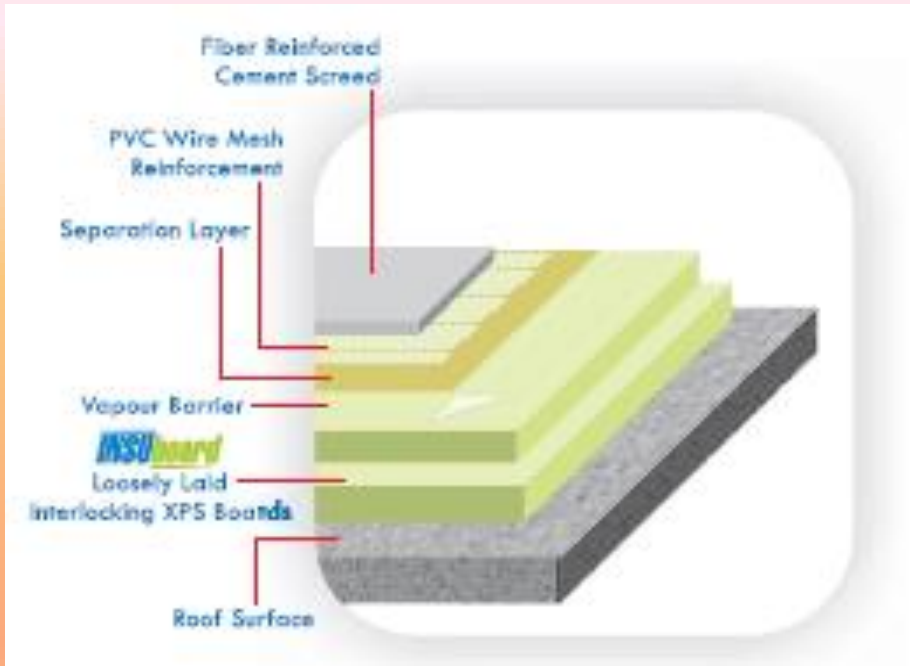


Wine Packaging

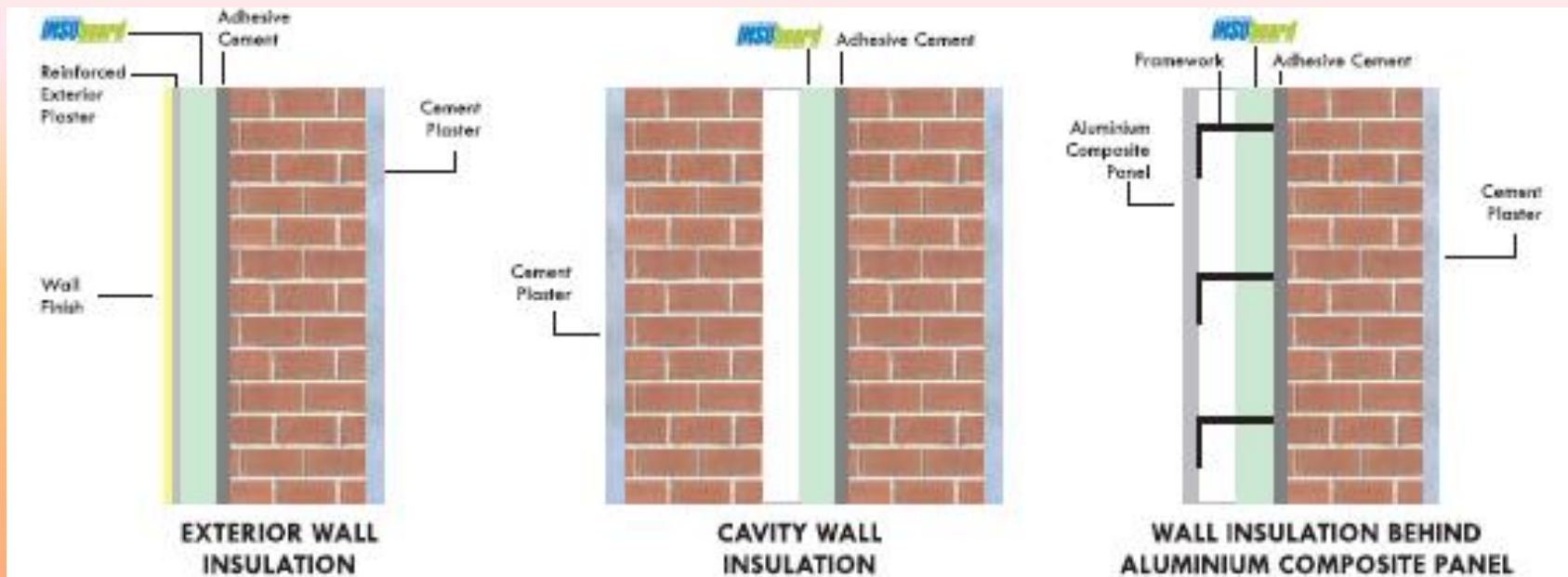
Extruded Polystyrene(XPS)

- SPL has forward integrated into manufacturing of XPS (Extruded Polystyrene Insulation) Boards ...White & Green Colour
- Current capacity is 150,000 cubic meter, which will be expanded by 4 times in the next 5 years.
- XPS foam is a premiere insulating material for commercial, industrial and residential structures, due to it's excellent properties such as :
 - Excellent compressive strength
 - Resistance to moisture
 - Imperviousness to rot, biological growth and corrosion
- XPS Boards manufactured by SPL are marketed under “
Brand

XPS Application-Roof insulation



XPS Application- Wall Insulation





SPL : International presence

- **Exports all products to over 104 countries across the globe.**
- **Significant supplier of White colour ESCR HIPS to Refrigerator industry in Middle East.**
- **Major supplier of Custom coloured High gloss HIPS for appliance industry in several countries.**
- **Approved global vendor of Hewlett Packard, Sabic Innovative, Guala Closures, Procter & Gamble.**
- **One of the three suppliers of Food grade EPS to global market.**



THANK YOU