

THE DIFFERENCE IS ...

- **Agility**
- **Innovation**
- **Intuition**

To perceive, create, renew, and swiftly deliver, whatever is needed



THE DIFFERENCE IS

INTUITION

Sensing, understanding and anticipating the needs of our customers, markets, and environment is what makes the difference.

INNOVATION

Combining Information with our knowledge of science and technology is what makes the difference. Our team of engineers, scientists, designers and architects work around the clock creating new products that can change our world.

AGILITY

Diversified technologies, resources and our ability to adapt with creativity and speed is what makes the difference. An enormous wealth of intellectual and physical capabilities makes Harwal a unique source for diverse processes and products.



HAROUT OHANESIAN CHAIRMAN & C.E.O

"Our aim has always been to provide innovative and high quality products and services that meet our customers' needs. We are sensitive to our most valued resources, our people, and to the environment while maintaining our fundamental values and achieving long term success."



HARWAL MANUFACTURING

Combining innovation and excellence, Harwal Group is the largest plastics converter in the Middle East. The Group converts over 200,000 metric tons of plastic and 20,000 tons of metals every year delivered through its ISO 9001 certified companies. As an award winning organization, Harwal Group combines its technical capability with evolving market trends to bring superior products and services to its valued customers.



Harwal Group has 28 business units with manufacturing and sales facilities across the globe. Business segments include Building Materials, Building Systems, Electrical Cable Management systems, Switches & Sockets, Pipeline Systems, Prefab Buildings, Doors & Windows, Refrigerated Transport and Storage, Industrial Warehouses and Storage, Refrigerators, Plastic Consumer Products, Packaging Materials, and Furniture.

The manufacturing conglomerate drives business within 40 countries across the Middle East, Africa, Europe and USA. Providing unrivalled manufacturing capabilities and services across the globe, Harwal Group runs its impressive operations through four main companies - TSSC, Interplast, Cosmoplast and Intermetal.

Founded in 1938, Harwal Group currently operates from its headquarters in the UAE. Harwal's strategy and business model is built around the principles of innovation, quality and sustainability. As an organization, the Group takes pride in its work, the success of its customers and the results they achieve together. Its continued growth and success over the last four decades can be attributed to an ability to adapt and evolve, enabling it to become the leader in its industries.



TECHNOLOGIES & SERVICES

PLASTICS PROCESSING

- » Recycling
- » Compounding
- » Sheet Extrusion
- » Pipes & Profiles Extrusion
- » Injection Moulding
- » Blow Moulding
- » Thermoforming
- » Polyurethane Foam
- » PE / PVC Blown Film
- » Compression Moulding

ENGINEERING

- » Designing
- » Quick prototyping
- » Custom Machinery
- » Moulds and Dies
- » Control Systems
- » Electromechanical
- » Electroplating
- » Metal treatment
- » Galvanizing

PRINTING

- » Artwork Preparation
- » Color Separation
- » Image Setting
- » Etching
- » Silk Screen Printing
- » Offset Printing
- » Gravure Printing
- » Flexographic Printing
- » Hot Stamping
- » Lamination



WOOD WORKS

- » Furniture Manufacturing
- » Cabinets and Wardrobes
- » Joinery and Wood Works



OTHERS

- » Production of Inks
- » Building Contracting
- » Boat Building
- » Bottling
- » Packing
- » Testing Labs
- » Advertising
- » IT Programming
- » Assembling



METAL WORKS

- » Furniture Manufacturing
- » Slitting and Roll Forming
- » Sheet Metal Fabrication
- » Coil Coating and Lamination
- » Powder Coating
- » Stamping

QUALITY

At Harwal Group, we believe it is our duty to deliver quality products and services to all our customers. Our Group manufacturing companies are certified by ISO 9001:2008 and various other independent certifications. Our in-house quality control laboratories and teams ensure that all products meet and surpass industry standards.



SUSTAINABLE DEVELOPMENT

Responsibility towards the environment is a universal concern. At Harwal, we feel it is our responsibility to ensure that our products and processes do not adversely affect the environment. Our recycling facilities process all scrap we generate as well as that of other companies. Wherever possible our products are biodegradable and CFC free.

- We preserve our forests by developing products to substitute wood.
- We Recycle water used in our manufacturing processes.
- We save energy by upgrading equipment.



OUR CLIENTELE

- » Coca Cola
- » Pepsi
- » Nestle
- » Aujan Industries
- » NFPC (Lacnor, Oasis)
- » Agthia (Al Ain Water)
- » Al Rawabi
- » Fedex
- » Carrefour
- » Lafayette
- » Marks & Spencer
- » Emaar Retail
- » Lulu
- » Geant
- » Union Co-op
- » Panda
- » Choithram
- » Ace Hardware
- » Al Maya
- » Abela Company
- » Abu Dhabi Co-op
- » Emirates Flight Catering
- » Murmum Dairy
- » Al Ain Dairy
- » RAK Ceramics
- » Al Fakher Tobacco
- » Al Ghurair Constructions
- » Alico - UAE / Kuwait
- » Alumco
- » Permasteelisas Gartner
- » Arcal - Bahrain
- » Profession Aluminium - Qatar
- » Massar Solutions
- » Emirate General Transport
- » Thrifty Car Rental
- » NFPC
- » Al Shirawi
- » National Trading Development (NTDE)
- » Awazi Gargash - Dubai
- » Laffan Trading & Contracting - Qatar
- » Techno Gulf Co. - Egypt
- » Aitken's Electrical Ltd - Glasgow - UK
- » Templegate Electrical Supplies Ltd - UK
- » Mars Ice-cream
- » London Dairy
- » Baskin Robins
- » Carlsberg
- » Heineken
- » Kwality Ice-cream
- » Dubai Municipality
- » DEWA
- » FEWA
- » Drake & Scull
- » China State Eng. & Construction
- » Dutco Balfour Beauty
- » Petro Factory- Sharjah
- » Wade Adams
- » LIFCO-DIC
- » Petroleum Development Oman (PDO)
- » Aweer Vegetable Market
- » Barakat Quality Plus
- » Delmonte Foods - Dubai
- » Brazil Food Kizad
- » Mc Donalds Outlets - GCC
- » Municipality Fish Market
- » Burger King Restaurants

OUR CLIENTELE

- » Spinneys
- » Al Marai - KSA
- » Halwani Bros - KSA
- » Astra Farms - Tabuk
- » Bahrain Water Bottling
- » ITC Bangalore - 5 Star Hotel
- » Amana Contracting & Steel Buildings Co. LLC
- » Amana Industries FZE
- » Saudi Building Systems Mfg. Co. (SBSMFG)
- » Emirates Building Systems Co. LLC
- » Al Fanar Electrical Systems Co.
- » Landmark Group
- » Kirby Building Systems
- » Mabani Steel LLC
- » Al Marai Company Ltd
- » Al Watania Poultry
- » Mai Dubai Water
- » Freyssinet KSA
- » Agility - Pakistan
- » Anglo Foods - Pakistan
- » Marriott / Ritz Carlton Hotels
- » Starwood Hotels
- » Fairmont Raffles Hotels International (FRHI)
- » Rotana Hotels
- » Hilton Worldwide
- » Rezidor Hotels
- » Kempinski Hotels
- » InterContinental Hotels Group
- » Hyatt Hotels
- » Anantara Hotels
- » Rixos Hotels
- » Jumeirah Group of Hotels
- » Atlantis Hotel The Palm Jumeirah
- » DEPA Contracting
- » MERAAS
- » Dubai World Trade Centre
- » Beyond Construction/CSCEC Algeria
- » Orsini SPI
- » Omran Tourism & Development Co.
- » The Parker Company
- » Applebee's
- » Starbucks
- » Burjuman Centre
- » Yas Mall - Abu Dhabi
- » Al Futtaim Group
- » Emirates Motors Co.
- » Al Jaber LEGT Engineering
- » Abu Dhabi University
- » McDermott M.E. Inc.
- » Al Hokair Group
- » Global Education Management System
- » Innoventures Education
- » Taaleem Education Group
- » Global Indian International School
- » Ambassador School
- » Amity University
- » Newton International School
- » Abdul Rahman Al Habib Group
- » IAS Lootah Contracting
- » Proline Engineering Consultants
- » Becon Construction Co. LLC
- » Al Shafar National Contracting Co.
- » Bin Shafar National Contracting Co.
- » Seven Tides International
- » Safar Timner & Steel Co. - KSA
- » Shapoorji Pallonji Middle East

GROUP COMPANIES



INTERPLAST CO. LTD.®

UAE - KSA - QATAR - FRANCE - UK - RUSSIA

- Plastic compounds
- Electrical systems
- Aluminum composite panels
- uPVC door & window profiles
- Flexible packaging
- Luxury & plastic shopping bags
- Industrial films and bags
- Industrial thermoformed products
- Plastics recycling
- Vinyl fences
- Sheds
- Sheds, shelters, garages & cabanas



UAE - KSA - QATAR - FRANCE - UK - RUSSIA

- Infrastructure pipeline systems
- Plumbing systems
- Insulated containers
- Keep Cold iceboxes & water coolers
- Commercial thermoformed products
- Disposable products
- Waste containers
- Plastic furniture
- Garden products
- Luggage
- Plastic pallets
- Plastic crates
- Luxury & plastic shopping bags



Technical Supplies & Services Co. L.L.C.®

UAE - KSA - QATAR

- Roof and wall cladding
- Insulated composite panels
- Unitized glass system
- Standing seam roofing system
- Doors, windows & sliding systems
- Cold stores
- Insulated vehicle bodies
- Factory manufactured houses
- Portable cabins
- Telecom shelters
- Stainless steel kitchen & laundry equipment
- Industrial storage racking systems
- Galvanizing service
- Cold Rolled steel systems
- UrbanWall
- EasyWall
- PreInsulated duct panels
- Converted container units
- ElectroMechanical services
- Bottle coolers & freezers
- Pre-Engineering building



UAE

- Banquet & conference furniture
- Outdoor furniture
- Restaurant furniture
- Educational furniture
- Office furniture
- Hotel room furniture Interior doors



Harwal Container Manufacturing®

UAE

- PET preforms and bottles



RUSSIA

- Plastic pipes and fittings
- Plumbing systems



Emirates Recycling L.L.C.®

UAE

- Aluminum ingots & sows
- Aluminium recycling



Interpolymer®

UAE

- Plastics recycling



US Polymers Inc.

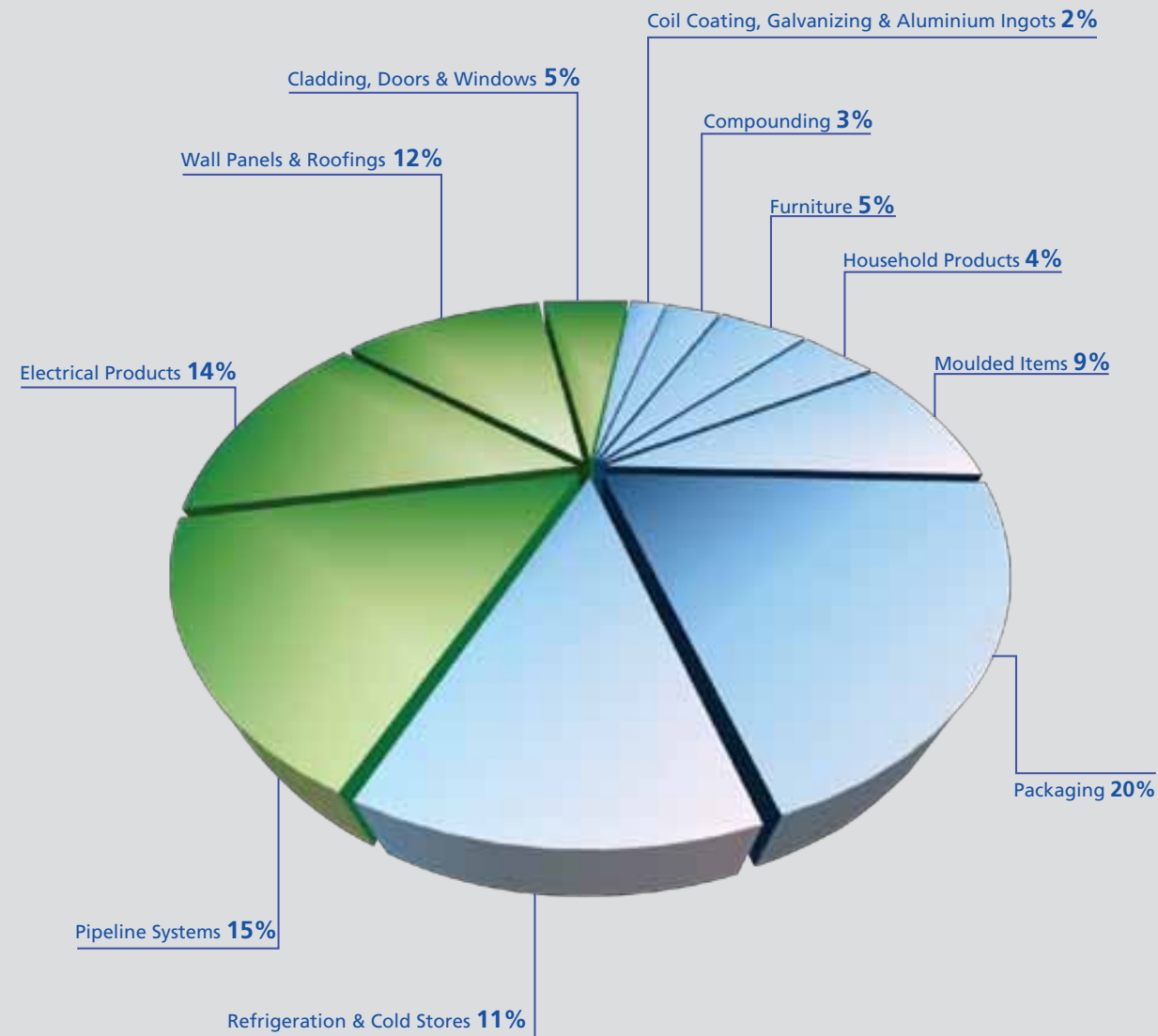
USA

- Vinyl decking
- Sheds, shelters, garages, cabanas & patios
- Window shutters
- Vinyl fences

PIE CHART

Building Products 46%

Consumer & Industrial Products 54%



GROUP PRODUCT LINES

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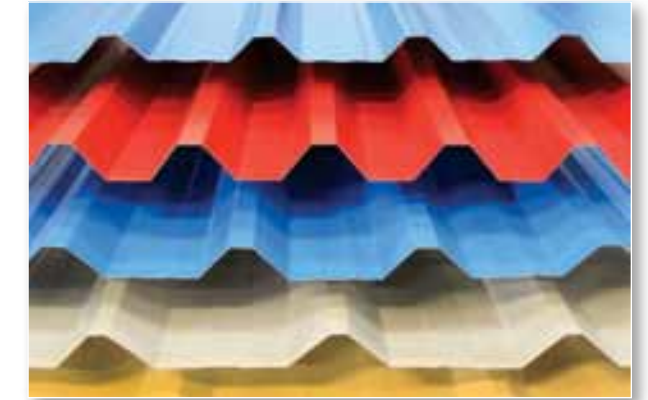
92-95
REFRIGERATION

PROFILED CLADDING SHEETS

TSSC manufactures a wide spectrum of profiled sheets for civil and industrial construction. These sheets offer architects and designers a range of choices for roof and wall claddings, such as internal linings and external cladding for industrial and commercial buildings.

The major advantages of profiled sheets include:

- Cost – Inexpensive compared to alternatives.
- Speed – Allow for rapid and rational installation, with minimal labor required.
- Convenience – Can be easily dismantled for building transformations.
- Customization – Are made to the site's measurements, eliminating wastage and installation complications
- Adaptability – Modifications or extensions can be done at any time.



The panels are manufactured to exact measurements eliminating wastage and installation complications and are available in an array of aesthetically pleasing colors.



INSULATED COMPOSITE PANELS



The complete system of pre-insulated monolithic composite panels manufactured by TSSC offers excellent acoustic and thermal insulation for building roofs and walls for various kinds of industrial and civil structures.

The unique sandwich construction of the composite panel is a result of injecting rigid polyurethane foam at high density between two rigid facings. With the combination of a variety of quality facing materials, TSSC offers a wide choice of sandwich panels.

TSSC Insulated composite panels are FM certified (FM 4880, FM 4471, 4481) and can be supplied with either PIR or Rockwool insulation.

- Compliant with the most stringent life expectancy and structural demands.
- Offer excellent acoustic performance, fire resistance and thermal insulation.
- Differentiated sections of corrugations offer structural characteristics to the building.
- Plain and corrugated finish.
- Pre-painted and mill finish in Aluminum, Aluzinc and galvanized steel.

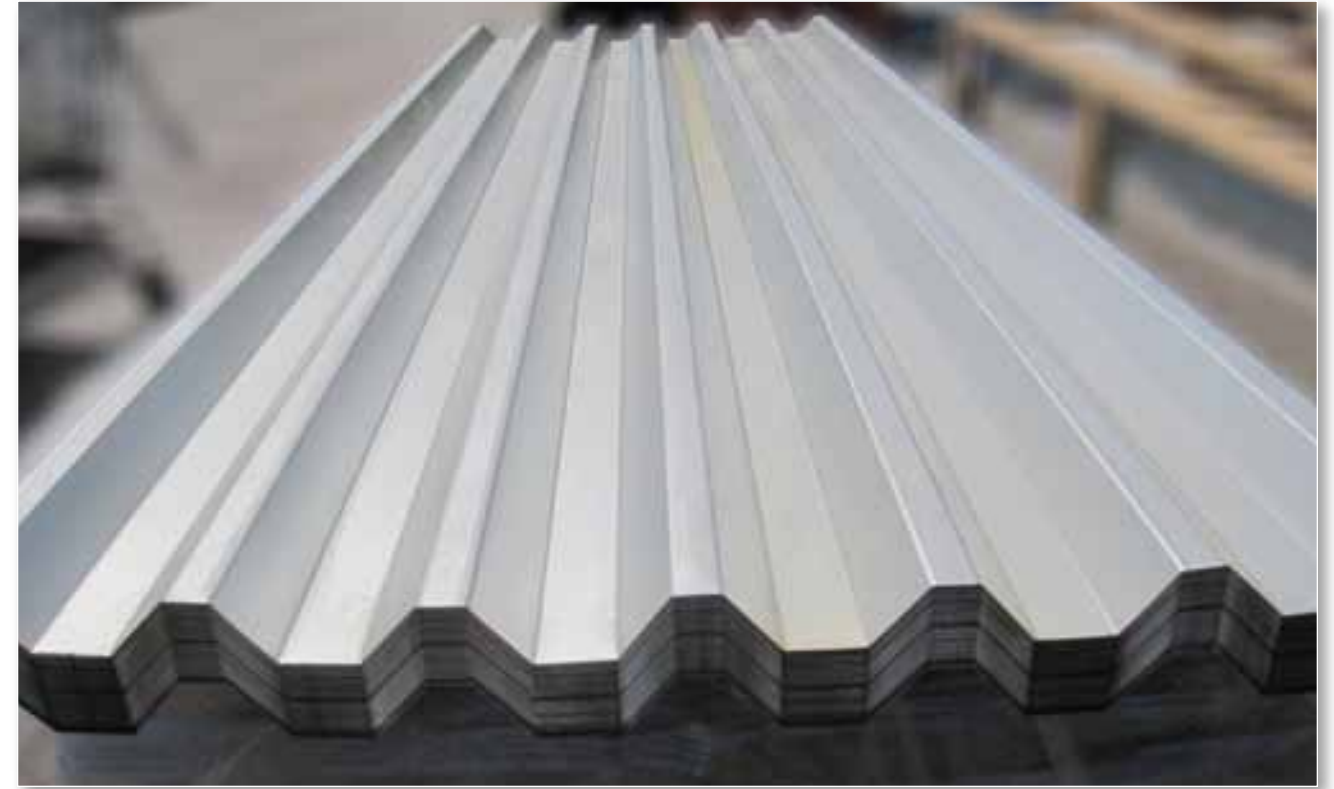


Applications

- Ceiling and Wall panels.
- Internal Linings.
- Fascias and Barge Doors.
- Decorative finishes for buildings.
- Weatherproof layer for the roof.



STRUCTURAL COMPONENTS



The range of modular structural components manufactured by TSSC includes high quality purlins and metal decking sheets.

The C and Z Section purlins, which act as secondary support for roofing sheets and composite panels, are accurately roll formed from high-strength zinc-coated steel. These purlins are used in a wide range of industrial and commercial applications and provide an efficient, lightweight and economical solution for roofing and cladding.

Metal decking profiles from TSSC are manufactured to international steel design standards for maximum strength. They are typically used for multi-story buildings, mezzanines, bridge walkways, porches, platforms, parking garages and storage facilities.

All of these components are aesthetically pleasant, weatherproof and offer excellent thermal insulation. In addition, they are resistant to fire, fungi and mildew.



STANDING SEAM ROOFING SYSTEM



TSSC, a primary member of the Harwal Group is the provider of a unique, advanced and versatile roofing system, a covering which gives an absolute guarantee of water tightness for a long duration and free maintenance system. The TSSC standing seam roofing system allows contractors to tailor the shape and dimensions of panels according to building requirements and create harmonious transitions between roof and facade. It is used in industrial and civil buildings and conforms to the latest architectural trends.

The TSSC standing seam roofing system uses roll formed panels that are attached to the structural substrate with a concealed method enabling its use on many applications from low pitched roofs to vertical or horizontal ribbed walling

The system offers the following advantages:

- Excellent durability and strength
- Totally watertight
- Float action eliminating the damaging effects of thermal movement
- Aesthetic appearance
- Good weather ability
- Outstanding technical properties
- Low maintenance costs
- Cost-effective construction
- Easy formation and fast installation of complex shapes
- Reduction of energy loss and CO2 emissions (when installed with insulation)



CURTAIN WALL

The high performance curtain wall solutions provided by TSSC are used for mid- and high-rise buildings. TSSC provides an innovative and unique solutions for building facades & skylights. TSSC also provides the unitized curtain wall system, in which units are assembled and glazed in the factory and all components are included within the units.

The curtain wall systems offered by TSSC provide energy efficient solutions with minimum heat loss. They are able to handle all types of loads, including dead load, wind load, seismic load, thermal load and blast load, they also prevent air and water from penetrating the building envelope.

Advantages of the curtain wall system include:

- Lower field installation costs
- Design simplicity and flexibility
- Aesthetic appeal
- Weather resistance



ALUMINUM COMPOSITE PANELS

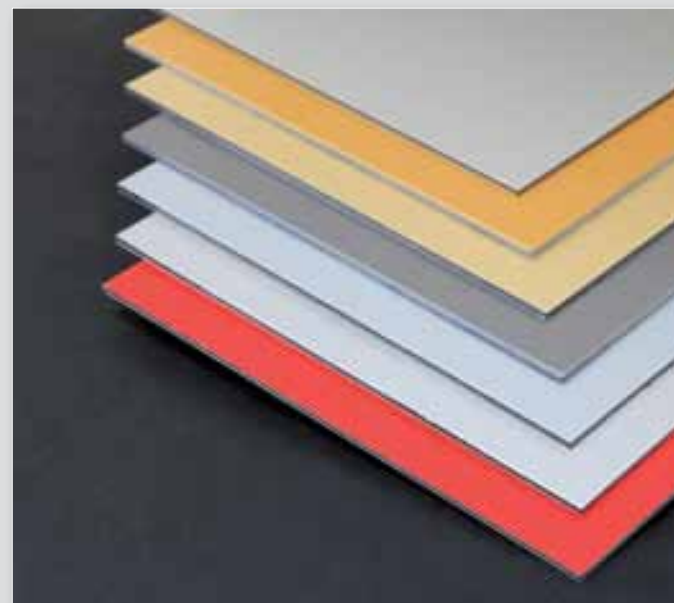
ALUPEX, Aluminum Composite Panels, are a unique and versatile cladding material used in enhancing performance and aesthetics of modern building architecture. With the state-of-the-art technology of multi-layer extrusion lamination, two skins of non-corrosive special grade aluminum sheets are bonded on to a fire retardant mineral core to form a sandwich panel. The external skin surface of the aluminum composite panel is available in various finishes and colors made from PVDF paint coatings. The external surface is further protected by an easy-to-peel protective film.

Features include:

- ALUPEX A2 - non combustible Composite Panels conforming to EN - 13501.
- Superior strength-to-weight ratio.
- Life expectancy of up to 20 years.
- Surface smoothness.
- Easy Installation.
- Attractive Finishes.
- Reduces heat and sound transmission.

Applications

- External Wall Cladding.
- Curtain Walls and Internal Finishes.
- Rooftop Edges and Wall Canopies.
- Stairways and Elevators.
- Advertising Display Sign Boards.
- Spandrels, Column Covers and Beam Wraps.



ALUPEX[®]
ALUMINIUM COMPOSITE PANELS

uPVC DOORS & WINDOW PROFILES

Duramax uPVC doors & profiles perfectly combine aesthetics, economics, durability, and security. With a co-extruded UV protection layer specially suited to the harsh weather conditions of the gulf our uPVC doors and window profiles provide additional thermal protection.

Features include:

- Double glazed energy efficient windows.
- Welded joints ensure there is no air gap.
- Various shapes and arches.
- Fire retardant.
- Antistatic property.
- Wooden finish laminates.
- Maximum water tightness and wind resistance.
- Smooth surface for easy cleaning.



DURAMAX[®]
uPVC DOORS & WINDOWS

ALUMINUM & uPVC DOORS & WINDOWS



TSSC supplies doors to commercial and residential construction markets that are designed to best suit the access requirements of most entrances. In the commercial market, our elegant doors and sliding systems are recommended for theatres, banks, restaurants, offices, hospitals, shopping malls and exhibition centers. Manual, automatic and security door systems can be supplied as per customer requirement.

TSSC's window systems combine the latest advancements in technology with unrivalled design. They are found in projects ranging from single-story homes to high-rise buildings.

Doors and windows manufactured by TSSC offer:

- Wide array of designs
- Good sound insulation
- Excellent thermal insulation
- Dust protection
- Manual and automatic doors
- High quality aluminum, uPVC systems and glazed residential windows
- Horizontal sliding windows, hinged windows and top hung windows



DURAMAX
BUILDING PRODUCTS

INTERIOR DOORS

The joinery division of the Group uses the latest technology to manufacture an extensive range of interior doors. We partner with each customer to provide solutions to meet exact specifications and the doors are the specified choice amongst consultants, architects and designers due to their performance and durability. Suitable for commercial and residential properties, the doors are manufactured in standard as well as custom sizes and available in a range of colors and finishes.

Our product line includes:

- Fire Rated Doors.
- Flat Doors.
- Grooved Doors with PVC Film.
- Veneer Skin Doors.
- Doors with Mouldings.
- Solid Wood Doors.
- Eco-Veneer Doors.

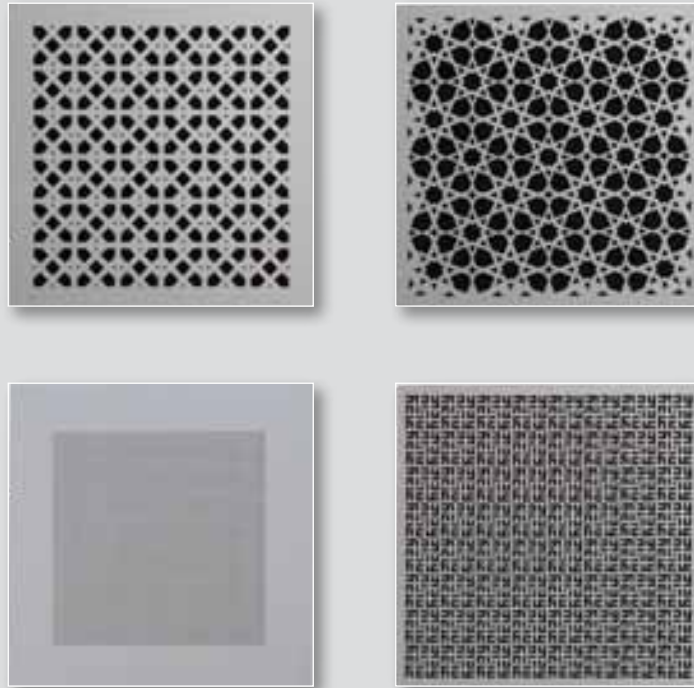
INTERMETAL



CEILING & PARTITIONING SYSTEMS

Harwal Group is a leading building materials supplier, providing all types of suspended ceilings and partition systems. A wide range of false ceiling systems, custom made suspended ceiling systems and dry wall partitions are available to meet today's architectural and design requirements.

- Flexibility in installing and dismantling.
- Hook on / Lay on systems allow heavy loading.
- Product range is aesthetically pleasing and is available in an array of designs.
- Gypsum panels backed with aluminum foil provide insulation against high humidity and extreme high temperatures.
- Metal ceiling tiles with a range of perforation patterns allow functional performance requirements for individual applications.



PREINSULATED DUCT PANELS

Preinsulated duct (PID) panels is an exciting addition to our family of insulated panels. It is an innovative technology for HVAC ductwork system and the panels are suitable for the construction of air distribution ducts in air-conditioning and heating systems.

These panels feature a unique sandwich construction that is the result of injecting PUR (Polyurethane) or PIR (Polyisocyanurate) as the core material laminated with aluminum facing on both sides.

Features include:

- Low Thermal Conductivity.
- Water repellent.
- Excellent thermal insulation.
- Foam CFC Free.
- Negligible smoke obscuration.
- Prevents growth of bacteria and fungi.
- Higher Compressive Strength.
- Ideal for HVAC ductwork in new buildings and refurbishment.
- Lightweight compared to conventional ducts.
- Less labour and material reduce fabrication & installation cost.



ELECTRICAL SYSTEMS FROM



- Cable Management Systems in PVC and Metal



- Electrical Switches & Sockets



- Cable Protection Systems

CABLE MANAGEMENT SYSTEMS

Interplast Electrical Systems provide the broadest line of electrical conduits, trunkings, switches, sockets, power poles, bench trunkings and systems manufactured in the GCC meeting the highest quality standards and international levels of certification.

DECODUCT cable management systems is the most comprehensive ASTA UK quality certified CMS range catering to British standards market and includes uPVC rigid and flexible conduits with complete range of accessories for concealed/buried wiring distribution systems, uPVC and galvanised steel back boxes, metal cable trays, ladders, metal trunking & underfloor trunking for cable distribution . The products are manufactured to meet the Gulf Specifications as well as International standards.

DECODUCT LSF (low smoke and fume) cable management systems meet all the mechanical and physical properties of rigid CMS and in the event of a fire, the emission of the smoke and fume is within safety levels and much lower than normal rigid CMS. Complimenting the range is the DECODUCT CAT6 compliant perimeter trunking and Power Posts and Power Poles which offers surface wiring solutions for high capacity and high speed DATA and POWER cabling for commercial applications.



ELECTRICAL SWITCHES & SOCKETS

The Electrical Division of Interplast manufactures electric switches and sockets under the brand name EDISON and offers eight different designs/ranges of EDISON products quality certified by ASTA UK.

The DURAFINISH range of products includes Polycarbonate plate switches, sockets and communication accessories for all low voltage domestic and commercial application.

The EDISON Royale is a fully modular international range of switches, sockets & accessories that offers flexibility and is aesthetically pleasing. Further complementing the range is the DESIGNER series, large curved rocker switches from 10amp to 45amp applications. The WEATHERPROOF series includes weather proof boxes of IP56 and IP65 rating for all outdoor applications to enable safe operation of equipment for exterior applications. Extra thin metal and metalised plastic plate switches and accessories for high-end applications are available under the SLIM series.

The ELITE range represents a comprehensive range of 'screw-less' plate switches and accessories. The range of switches & sockets from EDISON are available in in exotic designs and color schemes and can be customized to match any décor. All wiring accessories are manufactured to Gulf and international specifications and our fully equipped laboratory is capable of carrying out all the tests specified by the relevant standards. EDISON Touch is the next generation touch panel switches, sockets, data and communication accessories finished in high grade toughened glass finishes.

EDISON
ELECTRICAL ACCESSORIES



EXHAUST FANS

INTERPLAST'S Electrical Division has extended its range with the addition of a variety of exhaust fans to fit all of your needs. EDISON Exhaust Fans, are a range of low noise high displacement ventilation fans for domestic and commercial applications conforming to relevant international standards. These can be installed as a ceiling mount - the most common, a wall mount or the versatile ceiling/wall mount.



EDISON
ELECTRICAL ACCESSORIES

CABLE PROTECTION SYSTEMS

INTERPLAST Electrical Division also manufactures cable protection tiles and boards in PE and PVC under the brand name INTERGARD, which are actively used in infrastructure projects within the GCC, replacing the conventional usage of concrete tile to protect electric and communication cables. Interplast also manufactures protection tapes which are particularly suitable as protective and warning markers and are lightweight for easy transportation, handling, storage and installation.



INTERGARD
Cable Protection Systems

PLUMBING SYSTEMS FROM



- uPVC Drainage Pipes and Fittings
- uPVC High Pressure Pipes and Fittings
- PP-R Pipes and Fittings
- PEX Pipes and Fittings
- HDPE Drainage Systems
- CPVC Pipes and Fittings
- Fabricated Plumbing Products
- uPVC Ball Valves
- Pipe Clamps & Supports
- Solvent Cements, Cleaners & Lubricants
- PE Compression Fittings

uPVC DRAINAGE PIPES AND FITTINGS

Cosmoplast offers a wide range of uPVC drainage pipes and fittings covering a size range from 32mm up to 1000mm, providing the complete solution for our customers' piping needs. Our range of uPVC systems offers the most comprehensive line required to complete any domestic or industrial drainage system. Cosmoplast drainage pipes and fittings are manufactured with both solvent welding sockets and rubber ring (push fit) sockets, which satisfies the various requirements of projects, designers and installers. All our uPVC drainage pipes and fittings are manufactured and tested in accordance with the new British - European standards and awarded the BS Quality Kite Mark.



uPVC HIGH PRESSURE PIPES AND FITTINGS

Cosmoplast uPVC high pressure pipes and fittings satisfy the increasing demand for American and European standard pipes and fittings for plumbing applications that demand high operating pressure, high levels of toughness, chemical and thermal resistance along with cost effective installations. Cosmoplast High Pressure uPVC pipes and fittings are widely used in:

- Distribution of cold water under pressure.
- Air conditioning Drain Systems.
- Piping networks for swimming pool facilities & rainwater utilization.
- Cold fluids circulation in industries.
- Transport of chemicals and corrosive fluids in industries.



PP-R PIPES AND FITTINGS

Cosmoplast PP-R pipes and fittings are manufactured according to the German DIN Standards with sizes ranging from 20mm up to 160mm. The outstanding temperature rating up to 95°C and pressure rating up to 25 Bar make the PPR system the ideal solution for variety of applications including:

- Hot and cold potable water piping networks in residential and commercial buildings.
- Heating Systems.
- Chilled water networks in air conditioning systems, as an effective lightweight and corrosion free substitute for steel pipes.
- Transport of a wide range of chemicals in the industry.
- Piping networks for rainwater utilization systems and swimming pool facilities.
- Compressed air installations and other industrial applications.



PEX PIPES AND FITTINGS

PEX pipes are manufactured to the German DIN Standards from cross-linked high-density polyethylene material. PEX pipes are used for long term applications in extreme levels of cold and hot fluid transmission. These pipes require few directional fittings due to its high flexibility and strength. PEX pipes can be used for applications ranging from sub zero temperature up to 200 degrees Fahrenheit. Some of the applications of PEX pipes include:

- Hot & cold water distribution.
- Industrial Applications.
- Compressed air distribution networks.
- Radiators and Under-flooring heating systems.
- Transportation of chemicals in the industry.



HDPE DRAINAGE SYSTEMS

Cosmoplast HDPE drainage system is the ultimate solution for all types of drainage applications including soil and waste, above and below ground and chemical waste. These pipes and fittings are manufactured according to the latest European EN standards and can be joined by butt-fusion, electro-fusion, flanges or rubber ring joints. The characteristics of the PE Drainage system such as the outstanding chemical resistance, high temperature rating, flexibility and low noise make it the ideal selection for residential and industrial buildings, laboratories, hospitals and hotels.



CPVC PIPES AND FITTINGS

Characterized by unique thermal, physical and mechanical properties CPVC is desirable for piping applications which require high temperature rating, high impact resistance and fire resistance. Manufactured to various international ASTM / DIN standards our high pressure CPVC pipes and fittings are widely used in:

- Hot and cold water distribution in residential, industrial and public buildings.
- Transportation of hot water in Heating Systems.
- Piping networks for sprinkler fire fighting systems.
- Water and waste water treatment systems.
- Air Conditioning Drain Systems.
- Piping networks for swimming pool facilities & rainwater utilization.
- Irrigation networks - sprinkler piping and municipal projects.
- Transport of wide range of chemicals and corrosive fluids in the industry.



FABRICATED PLUMBING PRODUCTS

Cosmoplast presents a wide range of custom made fabricated fittings and accessories made of uPVC, HDPE, ABS, polypropylene or GRP materials to suit different application areas in sewerage, water supply, irrigation, soil and waste applications. Examples of Cosmoplast fabricated items include Grease traps, Gully Traps, Dry manholes, Catch basins, Sand traps, and Bell Mounts.



uPVC BALL VALVES

Manufactured to the American ASTM and European EN standards, Cosmoplast uPVC ball valves satisfy the requirements of water supply systems and irrigation networks. The unique design of these valves and the implementation of built in unions enable easy installation and maintenance.



PIPE CLAMPS AND SUPPORTS

A wide range of pipe clamps and supports manufactured to the highest quality standards are supplied by Cosmoplast. These clamps and supports are widely used in drainage, water supply and Fire Fighting systems, and are applicable for most of the piping materials including uPVC, ABS, CPVC, PPR, and GI to name a few.



SOLVENT CEMENTS, CLEANERS, LUBRICANTS & COMPRESSION FITTINGS

As a provider of complete plumbing solutions Cosmoplast also supplies the highest quality solvent cements, cleaners, and joint lubricants manufactured by the top manufacturers in the world. These products are manufactured to ASTM standards and certified by NSF. A wide range of PP compression fittings are also supplied by Cosmoplast for use in high pressure applications using polyethylene pipes. These fittings are manufactured by the top European manufacturers according to the highest European standards.



INFRASTRUCTURE PIPELINE SYSTEMS FROM



- uPVC Pipes and Fittings for Main Water and Sewerage Lines
- HDPE Pipes & Fittings
- GRP Pipes & Fittings
- Pre-Insulated Pipes & Fittings
- LDPE Pipes & Fittings
- uPVC & GRP Wellcasings & Screens
- uPVC & GRP Fabricated Manholes
- Telecommunication Duct Pipes
- Re-inforced Thermoplastic Pipes

uPVC PIPES AND FITTINGS FOR MAIN WATER AND SEWERAGE LINES

Cosmoplast uPVC pipes and fittings for main water and sewerage lines are manufactured to the latest international standards with sizes up to 1200mm and are supplied to major infrastructure projects in the region. Cosmoplast uPVC pipelines are manufactured to various international standards (DIN, EN, BS, ASTM etc) to satisfy the requirements of the various markets and sectors and are used in the following applications:

- Main water distribution lines for cities.
- Main Drainage and Sewerage lines.
- Pipelines for pumped sewage systems networks.
- Industrial process pipelines.
- Agricultural and golf course irrigation main lines.



HDPE PIPES & FITTINGS FOR MAIN WATER AND SEWERAGE LINES

Cosmoplast HDPE pipes and fittings for main water and sewerage are manufactured to the latest international standards with sizes up to 1400mm and are supplied to major infrastructure projects in the region. Cosmoplast polyethylene pipelines are manufactured to various international standards (ISO, DIN, ASTM,...etc) to satisfy the requirements of the various markets and sectors and are corrosion resistant with smooth bores which guarantee smooth water flow and minimize sediment build up. HDPE pipes eliminate the cause of odor, taste and turbidity. Combined with high quality jointing techniques HDPE pipes are considered the most suitable for water and drainage service and distribution lines.



HDPE AND MDPE GAS PIPES

Cosmoplast pipeline systems include Polyethylene pipes for gas distribution, produced from high density and medium density polyethylene materials. These pipes are made in yellow or orange color, the universal color code for fuel gas lines. The pipes are strong, flexible and light in weight, offering easy installation. Polyethylene pipes ranging in sizes from 20mm to 1200mm are manufactured according to various international standards depending on customer specifications.



GLASS REINFORCED PLASTIC (GRP) PIPES AND FITTINGS

GRP pipes and fittings are manufactured conforming to various international standards and employ the filament winding manufacturing technique. The product range includes pipes and fittings in sizes ranging up to 2000mm in diameter and manholes up to 2000mm in diameter. The various applications for which GRP pipes are used include:

- Potable water distribution.
- Drainage and Sewerage.
- Irrigation.
- Sea water intake.
- Pipe jacking.
- Micro Tunneling.
- Ducting.
- Pre-insulated pipes for district cooling and oil and gas Application.



uPVC & GRP WELL CASINGS AND SCREENS

Cosmoplast well casings and screens are widely used in water well extraction in the Gulf region. We offer a comprehensive solution through our extensive range of casings and screens in uPVC and GRP. The uPVC double walled deep well casings provide the best solution to water extraction in the most remote areas of the Gulf region that require wells of up to 600m depth. The GRP casing and screen system has many advantages over the steel pipes used in deep well applications. Some of the key advantages of Cosmoplast casing and screens are:

- Lightweight & corrosion resistant.
- Easy to install.
- Ideal for remote irrigation areas.
- Available in diameters up to 1200mm.
- Additional filtering options through Granule pack and Gravel Pack.
- Continuous slotted pipe and perforated pipes for easy water flow.



PRE-INSULATED PIPES AND FITTINGS

Pre-insulated pipes are manufactured for district cooling, oil and gas and other industrial applications using both insulation methods of injected foam or sprayed foam as per customer requirement. The core pipe can be supplied in Polyethylene (PE), cross linked polyethylene (PEX), steel or Glass Re-enforced Plastic (GRP) pipe and the jacket pipe is made of either high density polyethylene or GRP pipe. While the core pipes can range in sizes from 20mm upto 1500mm, the jackets can be made up to the size of 2000mm in diameter. Cosmoplast also supplies leak detection systems for district cooling applications. The different types of jacket core pipe configurations include: HDPE - HDPE , GRP - HDPE , HDPE - GRP, GRP - GRP, HDPE – Steel, and GRP – Steel.



uPVC AND GRP FABRICATED MANHOLES

Fabricated uPVC manholes with sizes ranging up to 1,200mm in diameter and GRP manholes of up to 2,400mm in diameter and any specified height can be fabricated in the company's facilities. Manholes are the largest entry chambers providing access to a sewer or drainage system for maintenance equipment and inspectors. The applications for which manholes can be used include:

- Drainage and sewerage systems.
- Foul water overflow.
- Soil and waste.
- Chemical plants.
- Large pipeline junctions and valve boxes.



TELECOMMUNICATION CABLE DUCTS

The telecommunication ducts are HDPE duct pipes pre-lubricated with silicone core suitable for telecommunication and fiber optic cables. They are derived by combining the strength and flexibility of PE material with a suitable lubricating layer on the inner surface of the ducts.

Cosmoplast telecom ducts are suitable for cable installation by blowing technique or pulling by rope. Directional drilling can also be used to install electrical and/or telecommunication ducting in below ground applications, or heavily built up areas. Our cable ducts offer extremely low friction properties, are strong & flexible and highly suitable for fiber optic cable installations.



RE-INFORCED THERMOPLASTIC PIPES (RTP)

Reinforced thermoplastic pipes for oil and gas applications are manufactured in collaboration with Technip and have a pressure rating of 150 Bar at 60 degrees Celsius. These pipes are supplied in coils with lengths up to 500m. Reinforced thermoplastic pipes are preferred over steel pipes due to their easy and fast installation. Some of the applications of reinforced thermoplastic pipe include:

- Gas distribution networks.
- Oil flow lines.
- Water injection lines.



LDPE IRRIGATION PIPES

LDPE, LLDPE (linear low density polyethylene) pipes are high precision drip pipes manufactured according to the ISO 9261:2004 standard for irrigation purposes. The drip pipes are also manufactured to customer specific standards. Landscape and lawn edging is also manufactured as part of the irrigation systems supplied by the company.



VINYL DECKING

Duramax offers a line of vinyl decking that delivers the beauty of traditional wood decks in a low maintenance and durable polyvinyl. Using a proprietary cellular PVC capstock, Dura Deck offers a surface that has the look and feel of a wood surface. The rigid vinyl base delivers tremendous strength for wide spans allowing the deck to be mounted right over existing wood joists. Unlike composite decks, DuraDeck will not sag or warp under the sun. In fact, it stays cooler to the touch even under the hot sun.



DURADECK[®]



VINYL PATIO COVERS

Low-maintenance vinyl patio covers have become the product of choice of landscape designers, architects, and homeowners. These solid structures have an impressive look and feel.

- Unlike wood, vinyl will not rot, warp, crack, attract termites, or ever need painting.
- Unlike aluminum, vinyl is quiet in the rain and will be cool to the touch under the sun.
- Patio covers are engineered to meet local engineering standards.
- Available in various colors.

DURAMAX[®]
BUILDING PRODUCTS



VINYL FENCES

Duramax vinyl fencing is designed to deliver a low maintenance and durable solution to all fencing needs. Using state-of-art coextrusion technology Duramax vinyl fences can stand up to the most demanding weather conditions of the region. The fences do not use screws that rust or brackets that crack. A route-and-lock construction ensures that all parts are interlocked and will never pull apart. A wide range of fences such as picket fences, privacy fences, perimeter fences and pool fences are available with complimentary aesthetic caps.



WINDOW SHUTTERS

ShutterSMART is a low maintenance alternative to traditional wood window shutters. Made in the USA, ShutterSMART's Polyclad Hardwood Shutters are energy efficient and completely free of paint, formaldehyde and VOCs. They're fully recyclable, and unlike wood shutters, will not fade, chip, warp, crack or peel. Each shutter is custom built with a hardwood core that is clad with a poly surface. The solid wood construction delivers the strength of a wood shutter, while the polyclad surface is low maintenance, easy to clean and elegant.





COLD ROLLED STEEL



Operating on a model built around the principles of innovation, excellence and sustainability, TSSC, Harwal Group Company has been acknowledged as an industry leader in the manufacturing sector and is a leading provider of Pre-Engineered Cold Rolled Steel (CRS) structure systems. TSSC is commissioned to deliver large scale warehouses, workforce housing buildings, residential developments, accommodation building camps, & poultry shed projects – which can be constructed with accuracy, speed, cost effectiveness & efficiency.

TSSC specializes in pre-engineered structure system where building elements are produced from accurate, bolt assembly, galvanized COLD ROLLED STEEL frame structures using cutting edge software and manufacturing processes.

The Cold Rolled profiles from TSSC offer the following advantages:

- Cost - 100% Pre-fabricated at the factory, which means no extra labor costs or wastage of materials.
- Speed - It is lighter than hot rolled steel and allows shorter erection time compared.
- Green Product- Steel is 100% recyclable and is considered a green building material.
- Customizable - Bolted connections means the building can be disassembled and reassembled again.



EASYWALL™ THE MASONRY DRY WALL SYSTEM



The Easywall™ partition system is designed to replace block work in non-load bearing internal walls. There are Easywall systems to suit all fire rated and acoustic applications. Standard wall thicknesses of 75mm, 100mm, 150mm, 200mm, 250mm and 300mm are available from stock. These include cavity wall systems for high acoustics and ease of MEP installations.

The EASYWALL™ drywall system offers the following advantages:

- Easy to assemble.
- Fire Resistant and Blast Proof.
- Economical.
- Available in a range of colors and attractive finishes.
- Corrosion Resistant and low maintenance.
- Offers acoustic solutions.
- Resistant to wind loads.
- Easy to dismantle for use in modular construction.

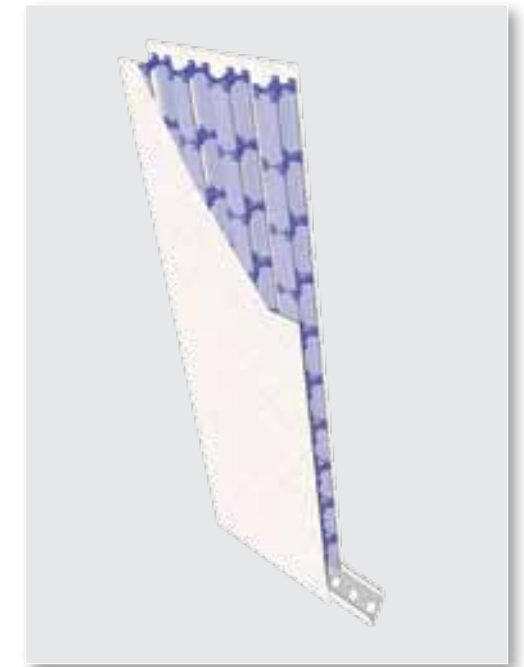


URBANWALL™ PERMANENT FORMWORK SYSTEM

Urbanwall™ is a custom made formwork system for the fast and simple construction of all load bearing concrete walls. The system replaces all concrete columns and beams in a structure and provides easy access for MEP installations. Its fibre cement facings are ready for painting or rendering. Urbanwall™ can be used for villa construction and multi-level apartment, hotel and commercial buildings. The system also provides the perfect solution for retaining walls and blast rated protection walls.

The Urbanwall™ formwork system offers the following advantages :

- Design versatility
- Excellent thermal insulation
- Structural durability
- Fast and accurate construction
- Sustainable design to reduce waste
- Easy handling



PRE-FABRICATED BUILDINGS

As a pioneer in the manufacture of polyurethane injected/laminated insulated panels, one of the specialties is designing and manufacturing pre-fabricated buildings. These structures utilize fully insulated roofs, walls, partitions and door panels. The buildings therefore provide exceptional thermal insulation, which results in low electricity and maintenance costs. Pre-fabricated buildings are also supplied using LGS (Light Gauge Steel).

Pre-fabricated buildings can be used for various applications including exclusive executive accommodations, general office stations, majlis, dining and kitchen units, and worker housing.

Some of the key features are:

- Energy efficient.
- Light weight and durable steel framed construction.
- Quick erection time compared to conventional buildings.
- Suitable for all climatic conditions.
- Aesthetic appearance.
- Termite resistant.



PORTACABINS

TSSC is the industry leader in the design and manufacture of composite sandwich cladding PortaCabins, used extensively for labor accommodation, office units, security cabins, kitchen and dining facilities, clinics, storage rooms and a host of other utility requirements. All units are factory assembled and delivered to site with electrical, sanitary, plumbing, pantry and office furniture already installed. Simply connect the power outlets to a main source and they are ready to use.

TSSC PortaCabin units can be relocated multiple times using cranes or heavy duty forklifts. They are the best solution for rugged and remote sites which are exposed to harsh weather conditions.



CONVERTED CONTAINER UNITS

TSSC's converted container units are suitable for many applications, including temporary accommodations, site offices and military camps. TSSC manufactures and supplies a wide variety of units using in-house engineers and designers who specialize in purpose-built products to suit clients' individual and specific requirements.

More specialized explosion-proof and fire rated units can be supplied to hazardous areas in the oil and gas sector. These specialized units are DNV and CSC certified.

TSSC-converted ISO shipping containers offer ideal building solutions when operating in harsh environments. These container units are perfect for alternative uses, principally for mobility, housing, enclosing equipment and as a secure work environment. Converted containers can be of standard design or customized to meet the client's specifications.

Containers' internal areas can be rockwool, polyurethane or polyisocyanurate sandwich panels, with a choice of various metal skin specification finishes.



SPECIALIZED SHELTERS

TSSC is renowned for manufacturing shelters which conform to international standards. These can be custom-built to the client's specific requirements for the following applications:

- GSM telecom shelters.
- Radar and radio equipment shelters.
- Ambient air quality monitoring shelters.
- Airport shelters.
- Transformer & switchgear sub-station enclosures.
- Mobile abattoir units.
- Cell on Wheels (COW) units.
- Rapid Deployment Units (RDU).

In addition, explosion-proof shelters used in hazardous areas of Zone 1 & 2 for the oil and gas industry can be supplied with complete fit-outs of electrical fixtures, air conditioning system (split or package), fire detection alarm and Roxtec cable entries.



INDUSTRIAL PRODUCTS & SERVICES



INDUSTRIAL PRODUCTS

PLASTIC COMPOUNDS

Harwal group's advanced technological capabilities have resulted in it becoming the leading manufacturer of PVC compounds in the Middle East. Marketed under the trade name IP-HARWAL, the Group produces a range of compounds for a number of different applications.

A comprehensive range of compounds cater to a wide variety of applications. Specializing in PVC and CPVC compounds, the Group's portfolio includes grades for twist-wrap film, pipes and pipe-fittings, soft and rigid profiles as well as flexible hose. A complete range of PVC compounds for electrical cable insulation and sheathing is produced according to the BS 7655 standard.

All bottle compounds are suitable for food contact applications and can safely be used to package edible oils and still beverages. A growing line of polypropylene compounds are suitable for Garden furniture, disposable food-grade cups and trays as well as woven raffia bags and sacks.

In addition, custom compounds can be quickly formulated to suit specific and one-off requirements.



WASTE CONTAINERS

Cosmoplast's plastic products range offers comprehensive storage and waste management solutions with a full line of waste bins.

Cosmoplast waste bins are light weight, strong and designed to complement all waste management needs, be they domestic or industrial. These waste containers are available in various colors and sizes and are extremely sturdy and durable. Starting from small domestic waste baskets to large size industrial waste bins, the product range caters to all waste management needs.



PLASTIC PALLETS

Cosmoplast plastic pallets are manufactured in standard sizes and capacities to withstand the static and dynamic loads as per customer requirements.

The main types of pallets available are:

- Nesting Pallets.
- Industrial Pallets.
- Pallet Jacks.
- Injection Pallets.

These pallets are designed for easy and quick handling by forklifts and are ideal for warehousing as well as outdoor applications whether mounted on the racks or stacked on the floor. The pallets are suitable for food, conventional goods in addition to chemicals and pharmaceuticals industries and are 100% recyclable as these are made entirely from plastic polymers.



INDUSTRIAL CRATES

To meet industrial storage needs, our range also includes Cosmoplast plastic crates. The crates, built with rigid ribs, provide great strength making them ideal for all material handling, storage and transportation applications. The plastic crates are stackable, thus having more storage space.

Cosmoplast



INDUSTRIAL BUCKETS

With more than four decades of invaluable experience and expertise into their industrial range of molded items. In order to cater to the customer needs, Cosmoplast manufactures a range of customized buckets for the industrial sector. Cosmoplast use only high quality raw materials and most modern molding techniques to provide its products with unmatched durability and appearance making it the best products in the market to meet industrial.



COLD STORES



TSSC manufactures insulated wall, ceiling and floor panels that are used in building cold rooms for chiller and freezer applications. Panels in lengths up to 16m are produced in our state-of-the-art production facility. We also build cold rooms of any specified capacity to meet the comprehensive and stringent cold storage requirements of the region. TSSC Cold Store panels are FM certified (FM 4880) and can be supplied with PIR insulation. We are also the leading company in the GCC region which provides FM certified camlock panels.

Our portfolio includes:

- Walk-in commercial cold rooms.
- Warehouse cold storage.
- Portable skid-mounted cold rooms.
- Off-shore refrigerated containers.
- Blast-freezers and blast-chillers for quick freezing and chilling applications.



Based on customer requirements, TSSC installs cold rooms with or without refrigeration equipment. The refrigeration systems provided by TSSC are available from world wide renowned companies.



REFRIGERATED TRANSPORT

As the industry's leading provider of holistic cold chain logistics solutions TSSC manufactures refrigerated trucks bodies in sizes of up to 7 meters in length and 3 meters in width, allowing vehicle bodies to be built using just six panels. Reefer trailer bodies range from 73 CBM to 81 CBM, with a length ranging from 13.6 meters to 15.0 meters.



Features include:

- Temperature Control – Insulated body maintains temperatures between -40°C and +15°C.
- Choice of Panel Finishes – Standard Plastisol, Food Safe Coated Material, (PVC) Coated GI and GRP.
- Choice of Truck Bed Flooring Finishes – Eco-friendly Polyurea, aluminum t-profiles, fiberglass and stainless steel.
- Wide Range of Accessories – wind deflectors, meat hanging systems, roll up doors, tail lifts, and movable partitions.
- Maximum Insulation – Insulated panels are manufactured to international standards.
- Better Fuel Efficiency – Unique construction technique on the truck box gives it an aerodynamic shape.
- On-going Service – 24-hour after-sales service provided for our refrigerated units and truck bodies.
- Large Skilled Workforce – To meet urgent requirements and deliver jobs of any scale on time.



INDUSTRIAL STORAGE SOLUTIONS

With state-of-the-art facilities including a fully automated powder coating line and fabrication units, TSSC is the leading manufacturer of racking systems offering a range of customized industrial storage and warehouse solutions to meet all types of storage needs. TSSC's pallet racking storage systems are designed to allow maximum space utilization within any given facility and conform to international standards. The systems are robust, safe, versatile and expandable.

The racking systems can be broadly classified as:

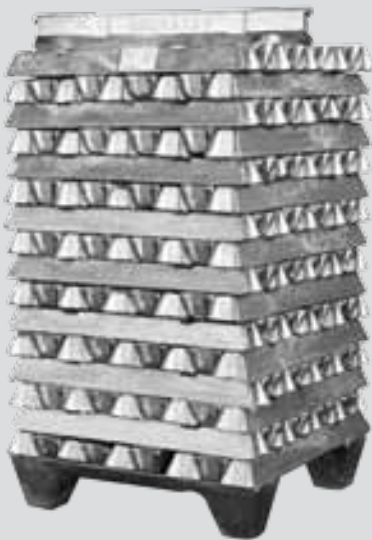
- Selective Pallet Racking.
- Drive-In Pallet Racking.
- Very Narrow Aisle Pallet Racking.
- Double Deep Pallet Racking.
- Multi-tier Racking.

To complement the range, TSSC also manufactures Galvanized Gratings and Converters to meet the warehouse needs of different industry sectors.



ALUMINUM INGOTS

Emirates Recycling supplies aluminum alloy ingots and sows to leading manufacturers of rolled aluminum sheet, plate, brazing sheet and extruded products for use in aerospace, building and construction, automotive, distribution and transportation industry segments.



The Group is one of the leading secondary aluminum recycling companies with an annual production capacity exceeding 18000 tones. We use the state of the art LOTTUS technology to melt aluminum scrap and produce both wrought and cast alloys. With great emphasis on quality, highest standards are maintained through the entire value chain right from the scrap sourcing up to the delivery of ingots. Our state of the art laboratory uses the ARL spectrometer to ensure consistent quality. We produce 1 ton alloy ingots, 500kg sows (cast blocks) and 7 kg ingots in compliance with international standards.



COIL COATING SERVICE



CoilCoat is a highly efficient coating plant that coats aluminum, galvanized and aluzinc coils. Three coating lines exist within the group that coat and laminate polyester, PVDF and Plastisol with embossed textures. Harwal Group uses innovative coil coating production methods and processes that generate consistent production runs. CoilCoat caters to many leading manufacturers that include roofing, cladding, composite panels, ceilings, window blinds, sporting goods and appliances.



GALVANIZING SERVICE

With state-of-the-art facilities for coating and testing, TSSC provides galvanizing services conforming to various international standards. Materials up to 14m in length can be galvanized in our facility, which has a capacity of several tonnes per day. Stringent quality control procedures are followed to ensure a high quality result and timely delivery.



ELECTROMECHANICAL SERVICES



Fully staffed with an experienced technical workforce, TSSC's electromechanical division excels in the installation of HVAC systems for cold stores. In addition, the division also offers annual maintenance contracts for refrigerated truck bodies, as well as the installation of low voltage switchgear and electrical components for port cabins and specialized shelters.



ICE BOXES AND WATER COOLERS

A wide range of ice boxes and water coolers are manufactured by the Group under the renowned brand name, Keep Cold. Over the years, Keep Cold has earned the reputation of being the market leader in the UAE and other GCC countries.

The product range includes:

- Keep Cold Ice Boxes.
- Keep Cold Water Coolers.
- Insulated Thermal Jugs.
- Ice Substitutes.
- Keep Hot Containers.



These iceboxes and water coolers are made of high quality CFC free polymers using highly sophisticated manufacturing technology to provide them with the best thermal insulation. Available in various colors and sizes, Keep Cold ice boxes/coolers are made with strong hinges and handles to withstand rough handling.



HOUSEHOLD PRODUCTS

Renowned for their outstanding functionality and quality the Cosmoplast range of plastic products include a diverse range of products for a wide variety of household needs.

The products include:

- Buckets and Drums.
- Food Containers.
- Kitchen Utensils.
- Plastic Jugs.
- Storage Units.
- Basins.
- Waste Bins.
- Laundry Bins.
- Garden Products
- Outdoor Furniture• Crates
- Coolers
- Ice Boxes



These products are manufactured from high-grade materials using modern manufacturing techniques, which make them durable and aesthetically pleasing.



DISPOSABLE PRODUCTS

We provide comprehensive food packaging solutions for both domestic and industrial requirements. A wide variety of disposable packaging goods in plastic, aluminum, foam & paper are manufactured under the Cosmoplast brand using high quality raw materials and state of the art manufacturing technologies.

Our product range includes:

- Aluminum Foils and Containers.
- Cling Films.
- Food Containers.
- Drinking Cups.
- Plates and Trays.
- Plastic Cutlery and Straws.
- Garbage Bags.



Our disposable products range is ideal for your business as we provide you with customized products that look unique and attractive at the point of sales. Our team of highly skilled designers can assist you with all your branding and designing requirements.



PLASTIC FURNITURE



Stylish, strong and lightweight, our range of Cosmoplast plastic furniture provides the ideal solution for indoor and outdoor requirements. The high quality of Cosmoplast products helps maintain our position as the leading brand of plastic furniture in the region.

The furniture range includes:

- Plastic Chairs.
- Plastic Baby Chairs.
- Plastic Stools.
- Plastic Tables.



Easy to clean, stack and transport, our furniture range is available in a variety of colors and designs to meet the expectations of our customers.



GARDEN PRODUCTS



The Group manufactures a wide range of stylish and contemporary planters for the modern home and garden.

Our garden care products include:

- Flower Pots.
- Planters.
- Nursery Planters (Industrial).

These pots and planters are available in a variety of colors, sizes and shapes to perfectly enhance the beauty of your garden. Be it for home or a commercial project, you can find exactly what you need with our range of garden care products.



SHEDS, SHELTERS, GARAGES, CABANAS

Whether looking for Vinyl or Metal Sheds, Utility Buildings, Garages, Insulated Cabanas or Greenhouses, Duramax® has fast become a worldwide brand. Available in a wide variety of sizes, styles and colors, these products provide safe and secure storage for the vehicle, home, vacation or commercial property. The assembly is simple, clean, safe and the products offer superior design, fit and packaging.



- Durable and long lasting.
- Eliminates painting or treating of wood.
- Fire Retardant.
- Easy to install.
- Reinforced with metal inserted columns for greater rigidity and strength.
- Available in a variety of sizes, colors and styles.



Applications

- Military sheds.
- Garden sheds.
- Car shelters.
- Industrial Storage.
- Green Houses.
- Temporary Housing.



LUGGAGE

Specialized in offering high quality luggage, Cosmoplast product offerings include a variety of hard and soft luggage under the brand name Cosmo.

Our luggage line includes

- Suitcases.
- Trolley Cases.
- Duffle Trolleys.
- Duffle Bags.
- Back Packs.
- Travel Accessories.



Cosmo luggage has been synonymous with quality and durability for years, a factor which has been crucial in gaining the unwavering trust of the entire region. Available in a wide variety of styles, colors, sizes and materials to suit your requirements, Cosmo luggage provides you with optimum comfort and convenience.



INDUSTRIAL PACKAGING

INDUSTRIAL PACKAGING

FLEXIBLE PACKAGING

Interplast Flexible Packaging division is the largest providers of packaging solutions in the Middle East with a broad range of flexible packaging materials. Our comprehensive range of products includes Laminates available in BOPP, CPP, PET, Alu Foil and LDPE in addition to high quality PVC, Paper, and Metalized Twist Wraps. We also manufacture an extensive range of environment friendly Wax Papers for your confectionery business, which are printed with special food grade ink on our ultra modern rotogravure machines. Furthermore, we manufacture Shrink Sleeves in PVC or PET which provide perfect packaging and as pioneers in the plastic industry Interplast also manufactures Wrap around Labels made from BOPP for the beverages industry.



Interplast flexible packaging products serve the requirements of industries such as packaged foods, juices, ice creams, dry foods, soft drinks, toffees, cosmetics, toiletries and much more. With state of the art technology employed for printing, lamination and metallization, we manufacture products that meet the best safety and hygiene standards. We are committed to creating new innovative solutions to meet the ever growing packaging requirements of the industry for years to come.



PACKAGING FILMS

Interplast film and bag division manufactures a diverse range of plastic films and bags keeping in mind the varied requirements of the industry. The product range consists of Shrink films, FFS multilayer films, PE shopping bags and Industrial bags.



The division caters to various industries like textiles, baby care, pharmaceuticals, packaged food and beverages, detergents and fertilizers to name a few. Our modern flexible packaging plant uses rotogravure and flexographic printing techniques and offers a variety of films and bags in plain and printed options of up to eight colors.

INDUSTRIAL BAGS

Interplast industrial polyethylene bags are manufactured from first grade raw materials using state of the art manufacturing technologies. All our products follow rigorous quality management procedures and are highly durable and tear resistant.



Our food packaging bags are hygienic and of FDA approved material . Features include co-extrusion with multiple layers, corner cut handles and perforated openings for easy handling. We ensure quality remains optimum at all times and offer customizable bags with 10 color.



LUXURY SHOPPING BAGS

With over decades of manufacturing experience in packaging materials, Interplast offers a diverse range of luxury shopping bags that are sold worldwide. The range consists of plastic bags, niche luxury paper bags and SOS bags (Kraft paper bags), Courier Bags, customized Mail Order Bags and Personalized Gift Boxes in both food board and duplex varieties catering to food and non-food applications.

Interplast bags come in die-cut, rope handled and twisted paper handled varieties. The various types of Eco-friendly Oxo-Biodegradable Polyethylene (LDPE and HDPE) bags include loop handle bags, patch handle bags, chopped handle bags, folded over top bags with chopped handle, rigid handle bags and shirt type handle bags. These bags are manufactured using the latest technologies in pre-press and printing facilities, which include rotogravure, offset and flexographic processes making them unparalleled in style and performance. Our skilled and experienced team of designers work closely with our customers to achieve the perfect design for their brands.



THERMOFORMED PRODUCTS



Interplast manufactures the highest quality-packaging solutions for a wide range of customers in the packaging industry. Our thermoformed products are used for an endless array of industrial applications like ice cream packaging, dairy packaging, juice packaging, mineral water packaging, catering and takeaway to name just a few. We also sell thermoformed plastics under the brand Cosmoplast.

Interplast has grown to become one of the most reputable and reliable packaging supply companies in the entire region. We pride ourselves in delivering smart packages that keep food fresh and highlight the importance of our customer's brands. We are a leader in creating new products and delivering quality services to the packaging industry throughout the region.



PET PREFORMS AND BOTTLES



Harwal Container Manufacturing is equipped with the latest technology to produce PET Preforms and bottles for mineral water, juice, carbonated soft drinks, dairy products and edible oil industry.

HCM preforms provide the bottles clarity and purity ensuring the products shelf life all through the long lifespan of the beverage.

HCM designs unique geometry preforms, without compromising on the quality and crucial physical properties of formed bottles. Using state of the art machines and market leading Husky Moulding Systems, HCM makes preforms that are unmatched in finishing and performance.

In addition to our standard range of preforms, HCM also supplies bottles manufactured to customer specifications. Manufactured with most modern blowing machines, HCM manufactures bottles with sizes ranging from 220ml to 5 liters, which are available in different neck sizes and finishes to suit customer requirements.



HCM[®]
Harwal Container Manufacturing

HOTEL ROOM FURNITURE

A division of Intermetal dedicated to the design and manufacture of complete customized hotel room furniture. Manufactured to stringent commercial standards, our products are made using quality materials to ensure excellent long lasting performance. We work with designers, contractors and owners to provide custom solutions based on each individual property needs, ideas and designs. A state-of-the-art joinery factory ensures the highest standards, resulting in total customer satisfaction.



BANQUET & CONFERENCE FURNITURE

Harwal Group manufactures a wide range of furniture specialized for various industries and applications. The comprehensive collection of durable Banquet & Conference furniture includes stacking ergonomic chairs, flock top folding tables, lightweight folding tables, cocktail tables, conference tables and a complete range of accessories that include centerfold stages, lecterns and dance floors. The furniture manufacturing facility is fully equipped with CNC bending and routing machines, robotized welding, powder coating and chrome plating lines, upholstery and includes a state-of-the-art joinery for woodworking.



RESTAURANT FURNITURE

The Restaurant Furniture Collection includes quality tables, chairs, bar stools and booth seating for the restaurant and food service industry. Suitable for any setting, the furniture is manufactured from wood, plastic and aluminium and is appropriate for both indoor and outdoor use. Whether contemporary or classic, the product line contains furniture for fine dining, casual dining, food courts, fast food outlets, coffee shops and cafes.



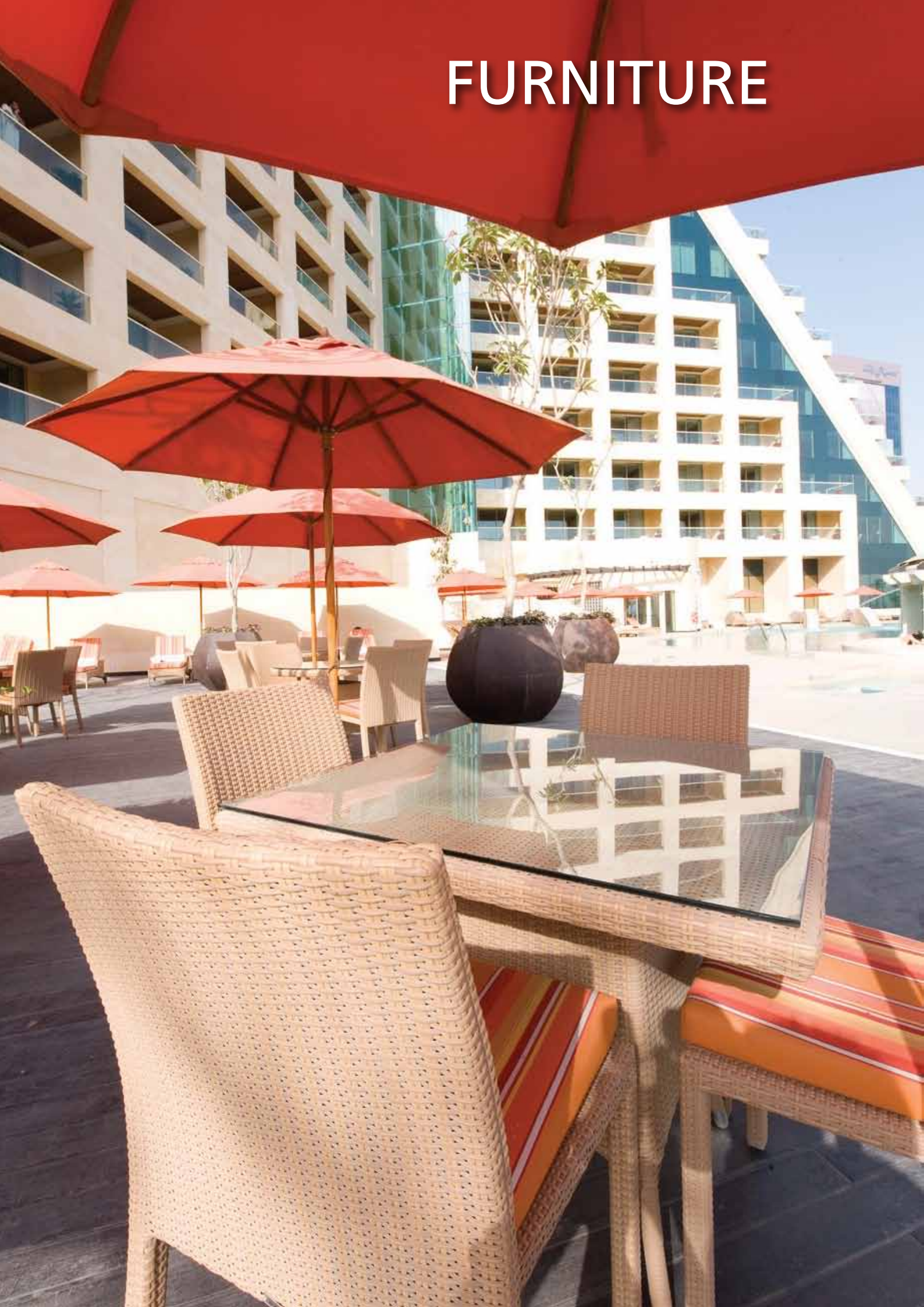
STAINLESS STEEL KITCHEN EQUIPMENT

Modern kitchens are designed to reflect the individual needs of users, combining functionality with aesthetics. To meet this need, TSSC offers a competitively-priced range of premium quality custom-built stainless steel kitchen equipment.

TSSC caters to the requirements of hotels, restaurants and staff canteens throughout each project's complete life cycle. Our comprehensive range of durable and attractive stainless steel kitchen equipment include sinks, cabinets, tables, trolleys, hoods, shelving, deep fryers, tray sliders, gastronome pans, bain-maries complimented by dryers, and much more.



FURNITURE



FURNITURE

OUTDOOR FURNITURE



Outdoor Living features a complete range of furniture for outdoor contract use. Tested for strength and durability, the furniture can withstand extreme weather conditions and is virtually maintenance free. The extensive collection includes chairs, tables, sofas, loungers and umbrellas all manufactured from quality aluminium, teakwood or rattan and upholstered in weather resistant materials. The entire collection is suitable for beach and poolside.



EDUCATIONAL FURNITURE

Intermetal manufactures furniture for all levels of education. The comprehensive collection includes furniture for Early Learning, Classrooms, Universities, Libraries, Cafeteria, Canteen, Office and Administration. As specialists in our field, we realize that "one size does not fit all" and offer a range of adaptable furniture to suit varying heights, sizes and age groups. With technology developing at a rapid speed, we continue to create furniture that is flexible, easy to arrange and that can respond well to the changing educational requirements.



OFFICE FURNITURE

The Office Furniture Collection consists of a durable range of products that include modular workstations, desks, conference and meeting room tables as well as wide selection of ergonomic seating options. As a leading furniture manufacturer, The Group has applied years of experience to develop a variety of office furniture solutions to suit all business needs. A team of experienced sales professionals work hand-in-hand with each customer to maximize the workplace to ensure the proper utilization of space.



REFRIGERATION



REFRIGERATION

BOTTLE COOLERS & FREEZERS

TSSC manufactures a wide selection of display chillers, freezers and open showcase chillers. Sold under the Celsius brand, these high quality, energy efficient refrigerators are supplied to major food and beverage companies and retailers throughout the Middle East, Africa and the Sub Continent region. °CELSIUS by TSSC is manufactured according to international standards and carries SASO, KUCAS and various other certifications.

Our chillers and freezers are approved by numerous international brands, including PEPSI, Baskin Robbins, Galaxy, Puck, Heineken, Carlsberg, and more.

With stringent quality measures °CELSIUS by TSSC is renowned for its sustainable quality and is suitable for the Middle East climate. Heavy duty components are used to ensure maximum durability. TSSC also provides easily available spare parts, after-sales support, digital branding and prompt delivery. With a fully-equipped state-of-the-art R&D department, TSSC constantly improves its offerings with new designs and models.



STAINLESS STEEL REFRIGERATORS, FREEZERS & WATERCOOLERS

Under the Celsius brand, TSSC also manufactures stainless steel refrigerators, freezers and water coolers, combining functionality with aesthetics. With its rich luster and polish, stainless steel conveys a look of sophistication and adds a touch of elegance.

TSSC's refrigeration units are efficient, tough, versatile, hygienic and easy to clean. Made with high quality stainless steel, these refrigerators are manufactured according to ISO and HACCP principles.

Key features of the stainless steel refrigerators include:

- Large capacity.
- High energy efficiency.
- Simple and stylish design.

The stainless steel water coolers offered by TSSC are hygienic, anti-corrosive and eco-friendly. Manufactured using high quality stainless steel, these competitively-priced drinking water coolers are ideal for use in schools, offices, hospitals and canteens.



 **CELSIUS**[®]



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