Architectural Projects Portfolio
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About Palram

Global Leader in Thermoplastic Panels and Panel Systems
Palram is a leading multinational manufacturer of thermoplastic sheets, mainly from polycarbonate, PVC and acrylic. Our products are used in a wide variety of applications and projects around the world, including construction and architectural projects, advertising and printing, agriculture, fabrication and DIY. Palram’s global presence and advanced technological abilities allow us to provide our customers with competitively priced products, while maintaining a high level of service. Palram delivers excellence to a global marketplace, backed by professional support and service on a local and regional level. Palram is proud of its unique corporate culture that makes us agile, creative and committed to all our customers.

Architectural Project Support
In the last two decades, Palram’s Project Support Center has helped specify, adapt, support and facilitate architectural challenges around the globe. Among the Center’s team members are civil engineers, designers, technical consultants and plastics engineers. The team offers a bundle of professional services based on accumulated experience in medium and large scale projects, samples of which are displayed here.

Service Solutions

Planning Stage
- Quick matching of product specifications per project
- Adapting plans while preserving the architect’s vision
- Creating specific planning details for architects
- Professional consultation on planning meetings
- Expert advice on materials and engineering
- Creating conceptual designs for given structures

Implementation Stage
- Creating specific installation guidelines per project
- On-site support at important execution stages
- Background construction engineering supervision
- Conducting special seminars upon request
Product Solutions

Architectural Systems
Palram offers a range of advanced panel systems, which are constantly enhanced as a result of our accumulated field experience.

Palram systems offer:
- Leak free design
- Double sided UV protection as standard
- Resistance to high loads
- Resistance to extreme weather and hail
- Thermal expansion gaps
- Suitability for curved designs

Panels for Construction & Architecture
Palram has produced the widest available range of thermoplastic panels for over 50 years. The panels are fine-tuned and tailored to match every project’s requirements.

Palram panels offer:
- Wide product range
- Resistance to extreme weather and hail
- Tailor made color matching and solar properties
- Architectural implementation advisory

Energetic Efficiency by SolarSmart™
SolarSmart™ is a multi-benefit technology combining high light transmission with low heat buildup. Panels with SolarSmart™ colors selectively transmit and block different segments of solar energy, allowing better use of natural daylight and improving climatic conditions in closed spaces. As a result energy consumption and costs are cut due to reduced lighting and air conditioning requirements.
Palram was challenged to stretch its capabilities for the project in terms of design, production and logistics. The roofing material was characterized with relatively thin panels, a requirement met by Palram’s proprietary corrugation technology. A revolutionary solution was conceived: installation of the corrugated panels perpendicular to the slope, relying on the stadium’s unique “wavy” architectural design. This allowed a 65% decrease in the panels’ thickness, which provided a cost efficient solution that preserved the architect’s vision.

Milestone Projects

Aviva Stadium, Dublin, Ireland
HOK Sport (Populous)
SUNTUF® - Clear & Matte, 3 mm
Corrugated Polycarbonate Panel
Skylight/Roof - 20,000 sqm
Milestone Projects
Milestone Projects

Shenzhen Universiade Sports Centre, China

GMP

PALSUN® - Smart Green, 8, 10, 12 mm Flat Solid Polycarbonate Panel Skylight/Roof - 45,000 sqm

The Universiade Sports Centre Stadium is one of three venues built for the 2011 Universiade games. It had the largest polycarbonate roof in the world upon its completion. Palram was deeply involved in the project from early design stages, including consultation at design meetings across the globe and characterization of the panel properties and the installation system used. The project required a custom designed installation system, which Palram developed with the main architect and local design studio.
Milestone Projects

Athens Olympic Stadium
Greece
Santiago Calatrava

PALSUN® - Solar Olympic, 12 mm Solid Polycarbonate Panel
Skylight/Roof - 24,000 sqm

The Athens’ “OAKA” Olympic Stadium was renovated to serve as the centerpiece for the 2004 Olympic Games. The stadium’s roof was designed by the renowned Santiago Calatrava and is still one of the largest polycarbonate installations in the world. PALSUN polycarbonate panels with a tailor-made color and abrasion-resistance were fitted into the GA2004 pre-assembled glazing system. The system’s unique design allowed 0° slope and offered built-in drainage, room for thermal expansion and many other benefits.
China’s largest stadium project this decade is a grand structure. The roof was required to withstand wind loads of 310 kg/sqm. Palram designed an aluminum joiner for connecting the polycarbonate sheets. Unique design attributes were the 18 meters long sheets and an aluminum profile with a rubber gasket directing the water flow towards the gutter for proper drainage due to the roof’s near 0º slope.
Milestone Projects

Beijing Urban Rural Century Plaza, China
Beijing Design Institute
SUNPAL® - 18 mm, Multiwall Polycarbonate Standing-Seam Architectural System
PALSUN® - Light Blue Diffuser Plus, 6 mm, Flat Solid Polycarbonate Sheet
Skylights - 10,000 sqm

The Beijing Urban Rural Century Plaza (which is the retail section of the Urban Rural Century Plaza) is a high volume shopping mall structure in the Beijing Yizhuang Development Zone. Palram supplied over 10,000 sqm of polycarbonate sheets which were installed as roofing & skylights in the uniquely cross shaped structure. The center of the cross is a large dome covered in PALSUN.
Beijing International Airport, Terminal 3, China
Foster & Partners
SUNLITE® - Clear, 25 mm Multiwall Polycarbonate Panel Skylights - 45,000 sqm

Beijing International Airport’s Terminal 3 boasts a stunning dragon-shaped design. It covers over a million sqm and can accommodate 82 million passengers annually. The advanced terminal has many sustainable features, including an integrated environment-control system and south-east oriented “dragon-scale” shaped skylights, which were supplied by Palram.
Milestone Projects

Qingdao Railway Station
China
Shandon Province Design Institute

PALSUN® - W. Diffuser, 8 mm
Flat Solid Polycarbonate Panel
Skylight/Roof - 55,000 sqm

The Qingdao Railway Station was extensively renovated for the city’s hosting of the Beijing 2008 Olympics Regatta (boating) competitions. The station is typical for Qingdao architecture, incorporating German architectural style into a Chinese-designed building. The enormous 60,000 sqm roof is considered one of the largest of its kind. PALSUN white-diffuser solid polycarbonate panels were specified in order to diffuse direct sunlight and create a pleasant atmosphere for the crowd.
Sports venues

Nizhny Novgorod Stadium
Nizhny Novgorod, Russia

FSUE “Sport-Engineering”

SUNPAL® - 20 mm, Blue shades and clear
Multiwall Polycarbonate Standing Seam Architectural System
Roof – 30,000 m²

The stadium was one of the venues for the FIFA 2018 World Cup in Russia. The construction team looked for a system that could carry the intense snow and wind loads in Nizhny Novgorod. Palram developed special aluminum profiles that integrated with SUNPAL to create a robust roofing system. SUNPAL was produced in shades of dark blue, light blue and clear which created a whirlpool effect when installed on the roof.
This megastructure includes a 15,000 seat indoor ice hockey arena, and a 27,000 seat Champions League level soccer stadium. The façade is made up of 11,000 triangles differing in shape and size. Each panel was cut to size and labelled by Palram, so that the installers on site would know exactly where to place it. To meet the designer’s vision Palram rendered six shades of light transmitting blue sheets, featuring aesthetic appearance at day time and at night.
Sports venues

ANZ Stadium
Sydney, Australia

BVN Architects

SUNLITE® 16mm X-lite Premium, Solar Control Multiwall Polycarbonate Sheet Roof – 42,500 m²

Built for the 2000 Sydney Olympic Games, ANZ Stadium has hosted thousands of sporting events over the years. In 2015 the building team set out to find a comprehensive solution to replace the aging roofing system. Palram’s SUNLITE polycarbonate fit the bill, with its resilience, its immunity to rain penetration, and the solar control grey color that enhances light transmission and grass growth.
Dacia Arena, home to ‘Udinese Calcio’ soccer team, has undergone an extensive 33 million USD renovation and became a multipurpose sports arena in 2015. The stadium received modern spectator seating and a complete roofing plan, including a clear inner strip made of SUNTUF corrugated polycarbonate panels. Palram’s Project Support Center provided a complete solution, including proprietary sliding connectors that were successfully implemented in previous projects.
Sports venues

Arena Castelão (Plácido Castelo Stadium) Fortaleza, Ceará, Brazil

Vigliecca & Associados

SUNTUF® - 177/51 Waves, Clear, 2 mm, Corrugated Polycarbonate panel Skylight/Roof - 8,000 sqm

Photos by Regis Capivaribe

Plácido Castelo Stadium, popularly known as “Castelão”, was renovated for the 2014 FIFA World Cup and became the first Brazilian Stadium to obtain the LEED “Green” certification. The Palram team’s solution for the project was based on 9 meter SUNTUF sheets spanning the entire roof circumference, which provided elegant appearance without overlap shading and prevented leaks.
SUNPAL Polycarbonate architectural panels were fitted into the roof of a football stadium in Zakho, Iraqi Kurdistan. Palram was awarded the tender to supply ‘Global Sport IQ’ with 12,000 sqm of specially tinted 18 mm panels, and provided in-depth support of the project. Zakho International Stadium was the first installation of SUNPAL multilayered panels. Red and White panels were used to match the colors of the Zakho Football Club. This significantly enhances the stadium’s visual appearance and boosts the local team’s pride in their beautiful home.

Sports Venues
Zakho Stadium, Iraq
Tengbom
SUNPAL® - ML Red/White and Clear Diffuser Plus, 18 mm Multiwall Architectural System Skylight/Roof - 12,000 sqm
Sports venues

Sammy Ofer Stadium
Haifa, Israel

KSS

SUNTUF® - 7770, Clear Embossed, 3 mm
Corrugated Polycarbonate Panel
Skylight/Roof - 5,000 sqm

Sammy Ofer is the first Israeli sport venue to meet UEFA’s highest stadium criteria. 11 meter tailor-made SUNTUF panels span the entire width of the skylight, creating an elegant look by eliminating shading overlaps. Additionally, Palram’s project support team designed a proprietary connector that allowed the panels to be installed directly onto the main structure, thus enabling considerable saving on construction costs.
Sports venues

Essen Stadium, Germany

W+P

SUNTUF® - 43/332, Clear, 1.2 mm Corrugated Polycarbonate Panel
Roof - 12,000 sqm

SUNTUF sheets were used in the roof construction of the Essen Football Stadium in Essen, Germany (stadium capacity 20,000 spectators). An innovative combination of perforated metal sheets and clear polycarbonate sheets, layered on top of each other, created a roofing solution that is robust, transparent and waterproof. Palram provided a profile that matched the metal profile and a specially designed aluminum cap that runs along the standing seam and clamps together the metal and the SUNTUF sheets.
Sports Venues

Plaza del Toro
Vitoria, Spain

PALSUN® - Clear, 10 mm
Solid Polycarbonate Panel
Skylight/Retractable Roof
2,200 sqm

Bullfighting is a national sport for the Spaniards. In this case, clear PALSUN panels were specified to maintain the arena’s inner atmosphere with the roof in either closed or retracted position.
Sports venues

Sportek
Tel Aviv, Israel

Segev Architects

SUNPAL® - 18 mm
Multiwall Polycarbonate Standing Seam Architectural System
Canopy - 450 m²

While children enjoy the facilities this sport center offers, The SUNPAL canopy provides shade and protection from the rain for their parents. The standing seam system is installed underneath the steel frame, and spectators enjoy a flush look with no metal elements interruptions.
Sports Venues

Headingley Stadium
Leeds, England

DLA Architecture

SUNPAL® - 18mm, white opal
Multiwall Polycarbonate Standing
 Seam Architectural System
Side lights - 900 m²
SUNTUF® 140 2mm, clear
Corrugated polycarbonate roofing
sheet, Roof - 850 m²

The latest renovation of the
1980 stadium included side lights
and a new roof canopy. DLA
architecture looked for a glazing
solution that will perform well
under the required wind loads, and
Palram delivered a comprehensive
solution. The side-lights were
designed with a diffused finish to
screen the residential area with
even lighting. The roofing sheets
profile was designed to match the
current steel beams.
Airports

Prayagraj Airport, Allahabad, India

S Ghosh & Associates

SUNPAL® - 18 mm, Solar Control Multiwall Polycarbonate Standing Seam Architectural System

Allahabad airport is India’s oldest airport serving both domestic and military flights. The construction of the airport’s new civilian terminal began on January 2018 and was completed in a record time of 11 months. The SUNPAL standing seam system was easily installed into the designed entrance canopy using cold bending. The leak-free design, installed under the beams using Aluminum profiles, protects passengers from the scorching sun of Uttar Pradesh.
Airports

HAECO Hangar II, Hong Kong Intl. Airport, China

RMJM

PALSUN® - Clear, W. Opal, 12.7 mm Solid Polycarbonate Panel
Curtain Wall - W. Opal 800 sqm
Clear 448 sqm

The hangar planners aimed to provide natural daylight to the structure, while making the interior only partially visible. Translucent white opal PALSUN panels were selected as the main material, combined with a small number of clear stripes within.
Hangzhou airport, one of the busiest in China, was built as a joint venture with Hong Kong’s Airport Authority. Although glass was originally specified for the terminal entrance canopies, Palram conceived an effective solution based on the SUNGLAZE panel system. SUNGLAZE panels were easily installed into the wavy entrance profiles using cold bending. Their leak-free design was complemented by tailor-made gutters at the lower ends of the canopy.
The multi-purpose service station is designed for trucks and their drivers in the terminal of Africa’s largest dry port. The red and blue design is easily recognizable from a distance, and creates a link between the corporate brand identity, and the appearance of the truck stop. During the day the roofing system provides natural lighting. At night, the roof panels glimmer with colors that seem even brighter.
Transportation

Hangzhou Bay Bridge, China

Tongji University Design Institute, Shanghai

PALSUN® - Clear, 8 mm
Flat Solid Polycarbonate panel
Wind shields - 14,000 sqm

Hangzhou Bay Bridge spans 36 km across the Hangzhou Bay on China’s eastern coast and is the world’s longest trans-oceanic bridge. The bridge provides quick access to and from the busy Port of Shanghai. Project schedule was tight for the hosting of the 2008 Olympics torch. Palram supplied tailor-made curved wind shields for the bridge. The rounded shields provide ultra-high impact resistance, designed to reduce the bridge’s strong side winds and help withstand extreme weather conditions.
SUNBOX insulated skylights were chosen to introduce natural sunlight without losing the thermal insulation properties. Taking into account the corrugated insulated roofing panels’ profile, the level of light required and the desired insulation properties, Palram provided a tailor made system that improved the indoor environment and improved the building’s energetic efficiency.
Transportation

Xian North Railway Station, China

CSADI

SUNPAL® - Clear, 18 mm Multiwall Architectural System Skylight/Roof - 7,000 sqm

Opened in January 2011, the Xian North Railway Station was built as a supplement to the original Xian Station and accommodates the high speed trains passing through the city. The two railway stations are a hub connecting Northwest and Southwest China. The station was fitted with clear 18 mm SUNPAL skylights, which provide leak-proof design and structural robustness.
The Kelmscott Train Station and Interchange was renovated as part of the Western Australian Government’s Train Stations Improvement program in 2008. A new station shelter structure was constructed as well as a new transit office booth on the station platform. A new passenger drop-off and station entry shelters on both the east and west sides of the station were built as well.

Transportation

Kelmsscot Train Station, Australia
SUNPAL® - Solar Grey, 10 mm Multilwall Polycarbonate System Sidelight
Transportation

Table Mesa Pedestria Bridge Glazing
Denver, Colorado

PALGARD™ - Clear & Bronze, 9.5 mm Flat Solid Abrasion Resistant Polycarbonate Sheet 550 sqm (per bridge, 5 planned in total)

The designer identified the benefits of Palram’s PALGARD hard coated monolithic Polycarbonate for the bridges’ glazing material. Critical considerations were safety, resistance to physical impact, vandalism and graffiti, adverse weather conditions, aesthetics and high light transmission. Clear and bronze panels achieve the required transparency, light transmission, and overall look and feel.
Commercial

Unicentro de Occidente
Bogotá, Colombia

SUNLITE®
Multiwall Polycarbonate Panel
Skylight/Roof

SUNPAL® - Solar Grey 10 mm
Multiwall Polycarbonate System
Sidelight

This project made use of two separate Palram products. SUNLITE X-Lite Solar Control panels were used for the dome. The SUNPAL system was installed in a barrel vault.
Commercial

“My Mall” Shopping Center
Limassol, Cyprus
Alex Raz Architects

SUNLITE® - CL, 32 mm
Multiwall Polycarbonate Panel
Skylight/Roof - 5,000 sqm

Special Heat-blocking SUNLITE CL panels were installed at the My Mall shopping center to effectively reduce heat buildup while transmitting diffused light into the structure and creating a pleasant atmosphere for the visitors. The extensive use of diffused daylight is also energy efficient via reducing both lighting and air conditioning costs.
Multiwall polycarbonate system and panels were chosen for the project due to their high thermal insulation and light transmission capabilities. To moderate heat buildup within the structure, Solar Control tint with metallic-reflective heat blocking was specified on both materials. SUNLITE X-Lite panels were used in the dome and the SUNPAL system was installed in a barrel vault with both systems allowing cold bending for the curved installation.
SUNGLAZE was specified as the roofing material for this structure once the advantages and capabilities of polycarbonate in general and SUNGLAZE Solid Polycarbonate Standing-Seam Architectural System were demonstrated (the initial plan was to use flat glass). The double curve was achieved via 14 m long sheets of Clear 4/600 SUNGLAZE.
Commercial

Shopping Center,
Tsur Yitzhak, Israel

SUNGLAZE™ - 4 mm solar control
Solid Polycarbonate Standing Seam
Architectural System
Entrance canopies - 750 m²

SUNGLAZE offers a sleek glass-like look without the hassles of using heavy glazing frames and without the weight and fragility of glass panels. The entrance glazing of this shopping center was specified with solar control in order to provide cool shade under the canopies, while still transmitting light. The SUNGLAZE system comes with all the required glazing bars and accessories. Glazing jobs with this simple standing seam system are easy and quick.
Commercial

Manufactura Outlet Village
Kiev, Ukraine

Chief Architect: Victor Salamatin

SUNGLAZE™ - Solar Grey, 4/800 Solid Polycarbonate Panel System
Skylight/Roof - 1,800 sqm

This large installation of SUNGLAZE panel system has a glass-like appearance that integrates with the classic architectural style, but with reduced sub-structural requirements, along with many other benefits associated with this system. The whole roof is leak-proof with no need for sealants and blocks harmful UV radiation.
Commercial

Anvers Confectionery
Tasmania, Australia

J&M Weeda

SUNGLAZE™ - Solar Grey, 4/800 Solid Polycarbonate Panel System Skylight/Roof

The SUNGLAZE solid Polycarbonate architectural panel system was used for the entire roofing of the visitor center of the Anvers Confectionery. The system’s minimal design creates an elegant appearance and provides leak proof, shatter proof and a safe solution for the roof and walls.
The Bangalore Mercedes Benz R&D facility is the company’s largest research facility outside Germany and was the first SUNPAL installation in India. Short SUNPAL panels were used in the sawtooth shaped skylight/roof above the terrace cafeteria. Blue and solar control panels were combined to create a colorful and pleasant atmosphere suitable for a recreational area of this type.
SPAR - Shopping center, Tbilisi, Georgia
Architect - Irakli Abashidze

SUNPAL® - White Diffuser, 20 mm Multiwall Polycarbonate System Facade

SUNPAL was used to cover a newly built store in Tbilisi, Georgia. The system was installed vertically to create a brightly illuminated outer envelope for the structure. The inverted sheets provide a seamless and smooth surface to the outer walls and contribute to the unique overall appearance. SUNPAL Alu Joiners C were fixed to the bare concrete walls, to which the Sunpal panels were attached. The building is now clad in durable panels, fully weather protecting the structural concrete.
Commercial

Mall Plaza El Castillo, Cartagena, Colombia

Designed by: Canales Desarrolladores
Installed by: Apice

SUNGLAZE™ - Breeze, 4/800 Solid Polycarbonate System Skylight/Awning - 1,058 sqm

The designers utilized sustainable architecture principles and placed strong emphasis on energetic efficiency. Palram proposed a skylight solution based on SUNGLAZE panels incorporating Solar Smart technology. They admit more natural daylight while reflecting outwards the heat generating infrared radiation. Energy saving is promoted via considerable reduction of lighting and cooling costs.
SUNGLAZE™ standing seam system covers the hospital entrance canopy and protects employees and visitors from rain and from UV radiation, while keeping a well-lit environment.
Light, accurate color matching and ease of installation led the architects to choose SUNPAL for this modern style project. Palram worked with the architect’s team to tailor a solution and to bring the project to meet budget requirements.
Public Facilities

Central Bank Of Cyprus HQ
Limassol, Cyprus

J&A Philippou Nicosia

PALSUN® - Bluish Breeze & Clear
6 mm, Flat polycarbonate panels
Skylight

PALSUN flat polycarbonate sheets were used as double glazing in a classic barrel-vault skylight at the prestigious headquarters of the Central Bank of Cyprus. The Bluish Breeze tint of the panels reduces heat buildup in the main hall by reflecting most of the Infrared solar radiation, while providing a clear and unobstructed view of the sky above.
Public Facilities

Ipswich Post Office,
Australia

SUNPAL® - Green, 10 mm
Multiwall Polycarbonate System
Skylight/Canopy
Public Facilities

Playground Awning
Spain

SUNGLAZE™ - Solid Polycarbonate Standing Seam Architectural System
600 m²

The playground canopy protects the yard from rain and blocks harmful UV radiation, while the penetration of natural light maintains a joyful atmosphere.
Public Facilities

Nazareth Hospital, Nazareth Israel

PALCLAD™ Pro HYG - Hygienic PVC Wall Cladding System Beige

The Nazareth Hospital is an ongoing project, started initially with cladding a single operating room with PALCLAD Pro HYG. Since then, additional operating & MRI rooms as well as corridors were clad as well.
The ‘Green Towers Hinckley Club for Young People’ was designed with respect to the requests of youth from the local community. PALCLAD Pro was chosen as wall cladding material to add an abundance of color to the walls in many locations of this large facility, including sport halls, offices, showers and more. Some PALCLAD Pro panels were printed with graphics that promote positive educational environment.
HELIOS is a clinical center for children, located in the southern city of Krefeld, Germany. The center’s extensive renovation project in 2015 was used to create a happy atmosphere for the young patients. Each floor was designed with a different theme using Palram’s Palclad Pro cladding system. Colorful PVC cladding was used to create a cheerful atmosphere with ocean, desert and arctic as well as other landscapes. The panels were printed with lively graphics and a few were cut in the shape of animals, smiling at the visitors from the walls.
Located at the Swinburne Hawthorn University, this red topped building is home to Film & Television studies as well as computer labs. Palram’s SUNPAL cladding provides a translucent emphasis to the structure, representing the University’s red & white logo.
Public Facilities

Victoria University Community Sports Stadium, Australia
Peddle Thorp Melbourne

SUNPAL® - Solar Ice, 18 mm Multiwall Polycarbonate System Curtain Wall - 400 sqm

The SUNPAL panel system was used in a vertical installation to create a semi-transparent wall. The system provides a complete installation solution with clean appearance and leak-prof design with no need for sealants.
Public Facilities

School Basketball Court, Taiwan

SUNPAL® - White Ice, 18 mm Multiwall Polycarbonate System Skylight/Roof
Public Facilities

Derby School, Kansas, USA

SJCF Architecture

SUNGLAZE™ - White Opal Solid Polycarbonate System Skylight/Awnings

Palram’s SUNGLAZE solid polycarbonate architectural panel system was installed as a walkway and window awnings. The built-in advantages for these applications included modular design, quick and easy installation, minimal maintenance, tolerances for high loads, and the ability to match existing structural appearance.
The dining hall is a central structure within the RAAF Amberley Base. It was designed with an emphasis on being an eco-friendly and energetically efficient structure. Daylight enters the building via the SUNPAL sidelights.
Public Facilities

Yarraville Community Centre
Victoria, Australia

Whitefield McQueen Irwin Alsop

SUNPAL® - White Ice, 18 mm Multiwall Polycarbonate System Sidelight/Walling

The original building was constructed in the 1880’s and has undergone extensive renovations. The sidewalls and side lights are White Ice 18 mm SUNPAL. The artwork was printed directly onto the polycarbonate sheets, and contributes to the shading and light transmission properties of the application as well as to the overall aesthetics.
The sports center of the Technion Institute of Technology in Haifa, Israel operates three pools, all of which were fitted with Sunpal multiwall Polycarbonate panels. The panels are specified with different tints and the Diffuser Plus feature that prevents glare from both transmitted daylight and the underwater lighting in the pool used at dark hours, creating balanced and pleasant lighting at any given time of the day.
Pools

Aquanation Center
Melbourne, Australia
Peddle Thorp

SUNPAL® - white opal diffuser plus, 18 mm
Multiwall Polycarbonate System
Skylight/Sidelight

Palram worked with the architects on Aquanation from 2012 until its completion in 2015. The specified roofing system, SUNPAL White Opal Diffuser Plus 18 mm, features a double diffuser effect to soften the transmitted natural daylight as well as the inner reflections of electric lighting during dark hours. The multiwall polycarbonate architectural panel system was integrated into the skylights along with 3 types of curved roof deck finishes. Palram provided a unique span-bar rafter system with a custom bracket design to enable this challenging installation.
Pools

Hotel Terme Jezercica, Croatia

SUNLITE® - White Opal, 16 mm Multiwall Polycarbonate Panel Skylights

Terme Jezerčica (pronounced Terme Yezerchitza) is a wellness center located in the town of Donja Stubica, 40 kilometers outside the capitol Zagreb, Croatia. The heart of the center is a naturally healing hot mineral spring. Terme Jezerčica also houses two pools, one for swimming and the other is part of a children’s playground, both of which have skylights made of Palram’s SUNLITE multiwall polycarbonate panels. The skylights transmit natural daylight that complements the center’s health and wellness theme and values.
St. Kilda Sea Baths, Australia

Peddle Thorp

SUNPAL® - Clear, 18 mm Multiwall polycarbonate architectural panel system 490 sqm

St. Kilda Baths is a historical seaside structure, containing a seawater pool, spa and health club. SUNPAL was selected to cover the swimming pool for several reasons, particularly the ability to withstand high loads and the specified curvature of the roof beams. Additionally, the roof enables clear diffused sunlight to enter while providing double sided UV protection and thermal insulation.
Palram’s PALSUN polycarbonate sheets were chosen to boost day-lighting & to improve the overall atmosphere at the gold coast residential pool. Critical considerations were sheet weight and impact resistance. Palram provided all the specification details to customize the system for the application. A high-performance enclosure, sealing the transparent roof system to sliding glass doors and windows optimizes ventilation and temperature control inside the space.
The color matching in Israel’s national Olympic swimming pool was specified to prevent glare and to maximize the swimmer’s and spectator’s comfort. The intriguing shapes were fabricated on-site using simple mechanical tools.
Pools

“Galey Hadar” Country Club, Israel

SUNPAL® - 18mm, Blue & White Multiwall Polycarbonate System Skylight/Roof

Covering the recreational center’s pool with thermally insulating Sunpal enables operation even in the cold winter months. The polycarbonate system blocks out UV radiation entirely and creates a healthy, comfortable area during the hot summer months. Choosing the blue & white colors combination creates a comfortable environment.
TIS Port is located in the Ukraine on the shores of the Black Sea. The port’s chemical warehouses are covered with Palruf Corrugated PVC panels, which are well suited for use in this corrosive environment due to their excellent chemical resistance. Suntuf Rooflight panels were integrated into the roof to admit natural daylight into the structure.
The James Boag Brewery Tower was clad in 10 mm White Ice Sunpal as the design called for reduced environmental impact. This cladding facilitated natural daylight lighting as well as natural ventilation and cooling of the tower.
New translucent canopies were added to the Hampton Inn Hotel, located in Tampa Florida, in 2016, including a curved canopy over the main entry. SUNGLAZE was selected due to its suitability to some of the climate extremes in Florida - Long and hot summers as well as frequent and hard hitting rain falls and of course the hurricanes and tropical storms. Palram’s SUNGLAZE incorporates proprietary standing-seam profiling and glazing which enables wide spans and high loading capacity.
Walkways

West Rail, KCRC
Hong Kong, China

PALSUN® - 6mm Sun Green
Flat Solid Polycarbonate Panel
Covered Walkway
Walkways

Hung Mui Kuk Footbridge
Hong Kong, China

PALSUN® - Trans. Green, 6 mm
Flat Solid Polycarbonate Panel
Covered Pedestrian Bridge
Walkways

Transmilenio Project
Bogota, Colombia

PALSUN® - 6mm, Clear
Solid Polycarbonate Panel
Covered Pedestrian Bridge
Walkways

Pedestrian Bridge
Athens, Greece

PALSUN® - 12 mm, Solar Olympic
Flat Solid Polycarbonate Panel
Glazing
Walkways

Man Lai Court Bridge
Honk Kong, China

PALSUN® - 8 mm, Clear
Flat Solid Polycarbonate Panel
Skylight
PALSUN provides a clear view for ski lovers as they ride the conveyor belts connecting the resort’s lifts. The solid polycarbonate sheets withstand the extreme temperatures in summer and winter, protect against the high UV radiation, and reduce glare. The sheets were cold bent on site to achieve the arched structure. PALSUN is virtually unbreakable, even when occasionally hit by skiing equipment.
Acoustic Barriers

Zhanxi Soundproof Tunnel
Beijing, China

BMEDI

PALSUN® - Clear, 10 mm
Flat Solid Polycarbonate Panel
Skylight - 3,800sqm

The Zhanxi Road Soundproof Tunnel is an enclosed roadway that spans 1.8 km across the Beijing Zoo. The tunnel was covered with semi-oval barriers in order to achieve optimal noise reduction for the animals. Clear PALSUN sheets are used as skylights in the tunnel and are integrated into its oval structure.
Acoustic Barriers

Lai Chi Kok Viaduct (Tunnel) and Acoustic Barrier
Hong Kong, China

Hong Kong HYD

PALGLAS®-15 mm, Clear & Light Blue
Flat Extruded Acrylic Panel
Acoustic Barrier - 14,000 m²
EastLink is a 39 km motorway connecting the eastern part of Melbourne with the freeways of the surrounding areas in Victoria state, Australia. The project, which includes 17 interchanges and over 80 bridges, uses many transparent acoustic barriers in the vicinity of populated areas. Approximately 30,000 sqm of PALGLAS panels were supplied to the constructing company, Thiess John Holland.
The works comprise a new two storey extension of concrete composite construction bearing on the steel frame which is extended upwards. The existing brick cladding was removed and the structure re-clad with curtain walling.
The SUNPAL multiwall polycarbonate architectural panel system is well suited for vertical applications, such as creating walls and partitions. The system was used to create study rooms or "Pods" at the Griffith University, Gold Coast in Australia. The semi-transparent walls create ample privacy for studying without setting a complete boundary with the surroundings.
The hazy, semi-transparent appearance of SUNLITE multiwall panels is ideal for partition applications. In this case, a design agency used the panels to create moderate privacy without separating the private and public spaces entirely.
The SUNPAL® multiwall polycarbonate architectural panel system is well suited for vertical applications, such as creating walls and partitions. The system was used to form a semi-transparent wall in a private residence. The wall creates partial privacy and admits natural light during daylight hours.
Residential

Private Residence, Stradbroke Island, Australia

Graham Anderson

SUNPAL® - 10 mm, Solar Ice Multiwall Polycarbonate Standing Seam Architectural System

Maximizing ocean views, managing sun exposure and creating a private retreat for the residents of this dual occupancy development were key priorities. The use of solar ice polycarbonate wall cladding afforded excellent privacy while allowing extensive soft diffused daylight to penetrate into the houses. The semi-translucent characteristic enabled the use as vast external walls where privacy was particularly needed.
Designated as an open space with a translucent roof, the Featherston house needed optimal light and thermal performance. The roofing and cladding system had to be fabricated and made practical with the challenging building elements. SUNPAL® provided the thermal properties, along with soft, diffused light with little glare. An invert installation of the standing seam system was implemented with the Aluminum C joiners, and with an additional SUNPAL cladding layer.
Residential

Private Residence, Australia

SUNTUF®
Corrugated Polycarbonate Panel
Pergola Roofing
Residential

Private Residence, Canada

PALSUN® & SUNLITE® - Clear
Flat Solid & Multiwall
Polycarbonate Sheets
Private Pool Enclosure Glazing
Residential

Private Residence, Australia

SUNPAL® - 10 mm, Solar Control Multiwall Polycarbonate System Pergola Roofing
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