

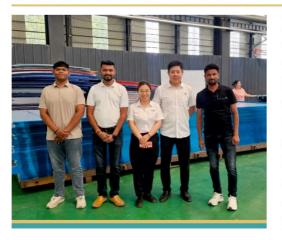
# DAPP DURA SERIES POLYCARBONATE & FRP SHEET & PANEL SYSTEM MANUFACTURER & TURNKEY SERVICE SOLUTION PROVIDER

Durable | Versatile | Non-corrosive

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# **COMPANY INTRODUCTION**



Panthor Turnkey Projects Pvt Ltd, founded in 2018, excels in civil construction, dairy machinery, and oil and gas services. Led by Dilip Prajapati and Pravin Prajapati, they deliver industrial projects and specialised machinery installations. Their oil and gas division offers manpower, operations, maintenance, and equipment rentals. Through their DAPP Dura brand, Panthor provides high-quality polycarbonate and FRP products globally in partnership with Japanese & Chinese manufacturers. Connect with us: panthorturnkey.com.

# STRATEGIC PARTNER'S DETAIL

Panthor Turnkey Projects Private Limited have established strategic Partnership with Hebei Kunyan Building Materials Science Technologies Co. Ltd which was founded in 2003.



# **VISION**

To become the global benchmark in turnkey engineering and thermoplastic roofing systems—delivering innovative, sustainable, and high-performance solutions that transform spaces and empower industries worldwide.









# HIGH-PERFORMANCE ROOFING & PANEL SYSTEMS

Panthor Turnkey provides high-performance corrugated, flat, and multiwall sheets, along with robust polycarbonate panel systems. Supported by a full range of accessories, our solutions offer strength, clarity, and easy installation for diverse applications.

- Corrugated Sheet
- Multiwall Sheets
- Strong Polycarbonate Panel System
- Accessories

#### **OTHER SERVICES**

- ♥ Polycarbonate & FRP Sales, Service & Support

# CORRUGATED **POLYCARBONATE SHEET**

# DAPP DURA-ROOF (Condensation Control High Impact Corrugated Polycarbonate Sheet)



The DAPP Dura-Roof Condensation Control corrugated polycarbonate sheet features a built-in hydrophilic (anti-drip) coating that disperses moisture into a thin film, eliminating lightblocking droplets and maintaining optimum light transmission under humid or temperature-different conditions. Constructed from highimpact polycarbonate resin, it offers outstanding durability with resistance to hail, debris, and impact while blocking over 99% of UV rays via a co-extruded UV layer.

# **Applications**

It is ideally suited for greenhouse roofs, side walls, and partitions where condensation control is critical to prevent crop diseases while maximizing photosynthetically active radiation (PAR) for plant growth. Additionally, it works well in conditioned enclosed structures such as pool enclosures, skylights, patios, canopies, and garden centers that benefit from high light transmission and moisture management.

#### **Main Characteristics**

- **W** UV Protection
- Weather & Fire Resistance
- ✓ Long Life Span

# DAPP DURA-ROOF PRO (High Impact Embossed Corrugated Polycarbonate Sheet)



DAPP Dura-Roof Pro is a corrugated, embossed polycarbonate roofing sheet with a diamond-textured surface that delivers high light transmittance alongside exceptional impact resistance. It features a co-extruded UV coating blocking over 99% of ultraviolet rays and is made from virtually unbreakable Makrolon/Lexan resin, achieving a lifespan of over 10 years even in hail, heavy rain, snow, and sandstorms. Lightweight and flame-retardant, it's designed to resist warping, reduce rain noise, and install easily with minimal framework.

# **Applications**

It's well-suited for roofing structures including workshops, greenhouses, patios, carports, awnings, curtain walls, and garden sheds, especially where a balance of daylighting, durability, and aesthetic appeal is desired. Its embossed texture also provides diffused lighting ideal for signage, skylights, and canopy installations in both residential and commercial architectural use cases.

- ✓ Less Warping, Hail & Impact Resistant
- Weather Resistance & Wide Service Temperature Range
- ✓ Less Leakage
- Superior Strength & Long Lifespan



# FLAT/SOLID POLYCARBONATE SHEETS

# DAPP DURA-SUN (Flat Solid Polycarbonate)



DAPP Dura—Sun solid polycarbonate sheets offer superior impact resistance, being 200 times stronger yet half the weight of glass, with up to 92% light transmission. They are ideal for architectural glazing, roofing, skylights, safety glazing, and thermoformed lighting fixtures due to their clarity, durability, and ease of bending or cutting. Available in various thicknesses, colours, and finishes, these sheets provide UV protection with a 10-year warranty, ensuring long-lasting performance.

# **Applications**

These polycarbonate sheets are perfect for structural and decorative applications such as noise barriers, carports, commercial and architectural roofing, curtain walls, glazing, partitions, signage, and displays due to their clarity, durability, and design flexibility.

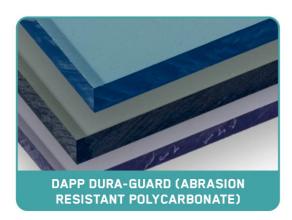


#### **Main Characteristics**

- O UV Coated Protected
- Weather Resistant & Wide Service Temperature Range & Flame Retardant

- Superior Strength & Improved Absorption of Noise

# **OTHER PRODUCTS**









# MULTIWALL POLYCARBONATE SHEET

# DAPP DURA-LITE (Multiwall Polycarbonate)



The DAPP Dura-Lite Multiwall or Twin Wall Hollow Polycarbonate Sheet is a lightweight, rigid, impact-resistant sheet with superior thermal and sound insulation, offering 50-70% better insulation than glass. It is ideal for home awnings, pergolas, roofing, skylights, canopies, and greenhouses, lasting 15-20 years while blocking 99.9% of UV rays. Available in various gauges and Solar-Smart tints, it maximises daylighting while reducing solar heat gain for energy-efficient use.

# **Applications**

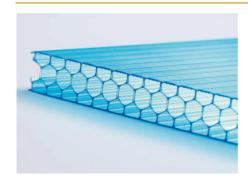
These panels are used in diverse architectural applications such as skylights, sidelights, barrel vaults, coloured walkways, canopies, and building cladding to enhance daylighting and aesthetics. They also serve specialised purposes in greenhouses, transport pool enclosures, stadium roofing, and illuminated outdoor decorative structures.

#### **Main Characteristics**

- **Migh Light Transmission**

- **ONLY** High Structural Strength

# DAPP DURA-HONEYCOMB (Multi layered Honey Comb Polycarbonate)



DAPP Dura-Honeycomb Roofing Panels are multi-layered honeycomb polycarbonate sheets with superior thermal insulation, high impact strength, and stable deformation resistance compared to twin wall polycarbonate. Their special structure enables them to withstand strong winds, heavy snow loads, and harsh weather while maintaining 50-70% transparency for artistic and privacy applications. They are ideal for building cladding, greenhouse covers, industrial glazing roofs, and skylights.

# **Applications**

It's well-suited for roofing structures including workshops, greenhouses, patios, carports, awnings, curtain walls, and garden sheds, especially where a balance of daylighting, durability, and aesthetic appeal is desired. Its embossed texture also provides diffused lighting ideal for signage, skylights, and canopy installations in both residential and commercial architectural use cases.

- Anti Condensation Greenhouse
- Suilding Cladding
- Green House



# **OUR PRODUCTS**

# **FRP SHEET**

# **DAPP FRP** (High Impact Corrugated FRP Sheet)



DAPP FRP Sheets are flexible thermoplastic materials with a unique waved surface, suitable for roofing, cladding, skylights, facades, greenhouses, and outdoor DIY projects. Panthor Turnkey Projects Private Limited, under the DAPP FRP Products brand, is a leading turnkey provider in India with extensive industry expertise. They offer various FRP sheet profiles and colours compatible with standard metal profiles, ideal for contractors and DIY users alike.

# **Applications**

These FRP sheets are used for plant and warehouse roofing, industrial daylight systems, wide span canopies, and protective overbridge walls. They also serve as wall panels in chemical, pharmaceutical, and dairy plants, cladding for food storage, agricultural roofing, residential canopies and sheds, and decorative coloured roofing.

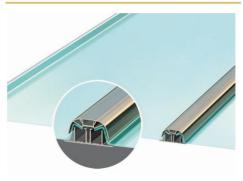
#### **Main Characteristics**

- **W** UV Coated Protected
- Weather Resistant & Wide Service Temperature Range
- Minimum Maintenance
- ✓ Long Lifespan

# **POLYCARBONATE PANEL SYSTEM**

# **DAPP DURA-GLAZE**

(Solid Polycarbonate Architectural System)



DAPP Dura-Glaze is a standing seam polycarbonate glazing system ideal for architectural, home improvement, and DIY projects. It combines panels, aluminium profiles, and fasteners into a leak-proof solution that supports wide spans and heavy-duty engineering needs. Suitable for pitched roofs, skylights, clear span roofs, and commercial curtain walls, it offers a durable, low-maintenance alternative to traditional glass roofing with strong performance and lasting reliability.

# **Applications**

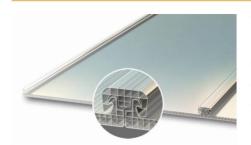
This system is ideal for outdoor roofing and commercial area skylights. It suits covered walkways, awnings, canopies, curtain walls, and curved sidelights. It's also perfect for domestic pergolas, playground coverings, and gazebo replacement panels.

- **Glass Appearance**
- ✓ Leak Proof
- Salance Shading
- Minimal Maintenance

# **OUR PRODUCTS**

# **POLYCARBONATE PANEL SYSTEM**

# DAPP DURA-LITE GLAZE (Multiwall Polycarbonate Architectural System)



The DAPP Dura-Glaze system is ideal for outdoor roofing. It is perfect for commercial area skylights. It suits covered walkways, offering reliable protection. It provides durable solutions for awnings and canopies. The system is also great for curtain walls and curved sidelights. It works well for domestic pergolas and playground coverings. Additionally, it's suitable for gazebo replacement panels.

## **Applications**

This system is ideal for playground coverings, gazebo replacement panels, and outdoor roofing. It also suits commercial area skylights, covered walkways, awnings, and canopies. Additionally, it works well for curtain walls, curved sidelights, and domestic pergolas.

## **Main Characteristics**

- **Glass Appearance**
- ✓ Leak Proof
- Salance Shading
- Minimal Maintenance
- Heavy Duty

# **EV CHARGING STATION**



PTPPL powers India's EV revolution with DAPP Dura series polycarbonate charging station shelters, designed for durability and sustainability.

Built with advanced technologies and a transparent, weather-resistant design, these structures enhance user safety and accessibility for commercial and public spaces. Our innovative solution supports India's green energy goals and EV infrastructure growth.

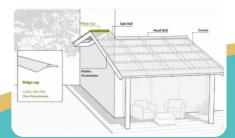
# **Applications**

- Ourability: Solid polycarbonate sheets resist harsh weather and wear.
- Safety: UV-resistant design protects users and equipment.
- complements modern spaces.
- Sustainability: Eco-friendly materials align with green initiatives.
- Weather Protection: Shields charging units and users from rain or sun.
- ✓ Low Maintenance: Reduces upkeep costs for longterm use.

# **Key Highlights**

- offer strength, clarity, and resilience.
- boosting adoption.
- **Government Fit:** Aligns with India's EV and renewable energy policies.
- technology partnerships for excellence.

# DAPP DURA-FIX ACCESSORIES



# PROPOSED PROJECT FOR GROWING INDIAN MARKETS

# HIGHWAY NOICE BARRIER / ACOUSTIC BARRIER / OVERBRIDGE PROTECTION WALL / HIGHWAY SAFETY WALL WITH BEAUTIFICATION



PTPPL is poised to Transform India's Highway & Infrastructure with DAPP Dura Series Polycarbonate Sheets by providing solutions like Noice/Acoustic Barrier and Safety Walls, Reducing Noice Pollution by 35% while enhancing over bridge protection. Crafted with Advanced Technologies and a Japanese/Chinese Inspired Design, these durable, transparent solution meet MoRTH standard, ideal for Indian Road & Infrastructure, Over Bridge on Highway and Urban corridors, our innovative approach ensures safer, quitter communities.

#### **Benefits**

- Noise Reduction: Cuts traffic noise by up to 35%, improving community well-being.
- Safety Enhancement: Robust solid PC sheets provide over bridge and highway protection against fall-down vehicles During harsh accidents.
- Aesthetic Integration: Transparent design blends seamlessly with urban landscapes.
- Weather Resistance: Withstands harsh climates with minimal maintenance.
- Regulatory Compliance: Meets MoRTH and pollution board standards for sustainable infrastructure.
- Animal Barrier: Prevents sudden entry of animals (e.g., cows, dogs) and obstacles, enhancing road safety.

# **Key Highlights**

- Innovation: Solid polycarbonate sheets offer unmatched strength, clarity, and UV resistance.
- Impact: Enhances safety and reduces noise for 10,000+ daily commuters, protecting against animal intrusions.
- Government Fit: Aligns with GSRDC's infrastructure goals, pollution control, and accident prevention mandates.
- Global Quality: Backed by global technology partnerships for world-class performance.

#### **POLYCARBONATE BUS PORT / BUS SHELTER**



PTPPL envisions elevating India's public transport with DAPP Dura Series polycarbonate bus ports and shelters, offering durable, transparent waiting areas with modern appeal. Crafted with advanced technologies and a Japanese/Chines-inspired design, these shelters meet BIS standards and support smart city initiatives. Ideal for Modern Cities, our innovative solution ensures commuter comfort and safety.

#### **Benefits**

- Ourability: Solid polycarbonate sheets withstand harsh weather, ensuring long-lasting performance.
- Safety: Provides secure waiting areas with UV resistance and impact protection.
- Aesthetic Appeal: Transparent, sleek design enhances urban and tourism landscapes.
- Sustainability: Eco-friendly materials support green infrastructure goals.
- Cost-Efficiency: Lightweight, modular construction reduces installation and maintenance costs.
- Accessibility: Spacious design accommodates high commuter volumes with ease.

#### **Key Highlights**

- Innovation: Solid polycarbonate sheets deliver strength, clarity, and weather resistance.
- Impact: Serves 5,000+ daily commuters, improving transport efficiency.
- Government Fit: Aligns with GSRDC's smart city vision and tourism infrastructure needs.
- Global Standards: Backed by global technology partnerships for superior quality.

# PROPOSED PROJECT FOR GROWING INDIAN MARKETS

POLYCARBONATE BUBBLE DOME / BUBBLE HOUSE / ADVENTURE HOUSE / GLAMPING TENT FOR HOTEL, GARDEN RESTAURANT AND TOURISM PLACES



PTPPL reimagines luxury stays with DAPP Dura solid polycarbonate bubble domes and glamping tents, blending nature with modern design for hotels, garden restaurants, and tourism gems like Rann Utsav, Statue of Unity, and Jaisalmer and many more. Crafted with advanced technologies and a Japanese/Chinese-inspired aesthetic, these transparent havens offer eco-friendly adventure. Our innovative solution elevates Gujarat's tourism and hospitality landscape.

#### **Benefits**

- Luxury Experience: Transparent solid polycarbonate sheets provide stunning views, enhancing guest immersion.
- **Durability:** Resists extreme weather, ensuring year-round usability in adventurous terrains.
- Sustainability: Eco-friendly materials support green tourism initiatives.
- Safety: UV-resistant and impact-proof design protects occupants.
- Versatility: Ideal for hotels, garden restaurants, and sites like Rann Utsav or Jaisalmer.
- Cost-Effective: Modular construction reduces setup and maintenance costs.

## **Key Highlights**

- ✓ Innovation: Solid polycarbonate sheets deliver clarity, strength, and weather resistance.
- **Impact:** Attracts 5,000+ tourists annually, boosting local tourism revenue.
- Government Fit: Aligns with Gujarat Tourism Ministry's vision for sustainable adventure hubs

#### POLYCARBONATE CAR PORT / PARKING SHED / EV CAR CHARGING STATION



PTPPL envisions revolutionizing urban, Industrial & Tourism Infrastructure with Polycarbonate Car Port/Parking Shed/EV Car Charging Station designed and crafted by DAPP Dura Series Polycarbonate Sheets. These Sleek, Durable Shelters crafter with advanced technologies and a Japanese/Chinese Touch, offers weather-resistant parking and sustainable charging for Electric Vehicles Designed for India's Smart Cities, Tourism hubs, Commercial Complexes, Corporate offices, Industrial Estates, Our Innovative Solution supports India's Green Mobility Goals.

#### **Benefits**

- Sustainability: Promotes EV adoption with integrated charging stations, reducing carbon emissions.
- Ourability: Solid PC sheets withstand harsh weather, ensuring long-term performance with minimal maintenance.
- Aesthetic Appeal: Transparent, sleek design enhances urban and tourism landscapes, ideal for high-traffic sites.
- Cost-Efficiency: Lightweight materials and modular design reduce installation costs and timelines.
- Versatility: Suitable for smart cities, tourism destinations, commercial complexes, and residential areas.

#### **Key Highlights**

- Innovation: Solid polycarbonate sheets deliver superior strength, clarity, and UV resistance for premium shelters.
- Impact: Supports 1,000+ EVs annually, fostering sustainable urban mobility.
- Government Fit: Aligns with Gujarat's smart city initiatives and Tourism Ministry's eco-friendly goals.
- Global Standards: Leverages global technology partnerships with Kunyan and Unique for world-class quality.

# PROPOSED PROJECT FOR GROWING INDIAN MARKETS

#### MOUNTAIN CORRIDOR / MOUNTAIN CLIMBING TUNNEL / MOUNTAIN WALK WAYS



PTPPL transforms India's religious hills with DAPP Dura Series polycarbonate Mountain corridors, climbing tunnels, and walking shelters, enhancing pilgrim safety at Pavagadh, Chotila, Ambaji, and beyond. Crafted with advanced technologies and a durable design, these structures offer weather protection and accessibility. Our innovative solution supports spiritual journeys while aligning with India's tourism and heritage preservation goals.

#### **Benefits**

- Safety: Solid polycarbonate sheets provide sturdy protection against falls and weather hazards.
- Ourability: Resists harsh mountain climates for long-term use.
- Accessibility: Facilitates easy navigation for pilgrims of all ages on steep terrains.
- Sustainability: Eco-friendly materials support green pilgrimage initiatives.
- Aesthetic Appeal: Transparent design complements sacred landscapes.
- Comfort: Sheltered walkways offer respite during long treks.

# **Key Highlights**

- Innovation: Solid polycarbonate sheets ensure strength, clarity, and weather resistance.
- Impact: Serves 50,000+ annual pilgrims, enhancing spiritual access.
- Government Fit: Aligns with India's Tourism Ministry and temple trust goals for safe pilgrimages.
- Global Quality: Backed by global technology partnerships for superior craftsmanship.

#### SHED FOR RELIGIOUS HILLS TEMPLES / WALK WAYS / WALKING SHELTER



PTPPL enhances public spaces across India with DAPP Dura polycarbonate Series walking shelters, waiting queue lines, and canopies, designed for religious temples, government offices, and more. Crafted with advanced technologies and a durable, transparent design, these structures offer weather protection and accessibility. Our innovative solution supports pilgrim comfort and efficient public services nationwide.

#### **Benefits**

- **Comfort:** Provides shade and shelter for waiting queues and walkways.
- Ourability: Solid polycarbonate sheets withstand harsh weather conditions.
- Safety: UV-resistant design protects users from sun exposure.
- Aesthetic Appeal: Transparent, sleek look enhances temple and office settings.
- Sustainability: Eco-friendly materials align with green initiatives.
- Accessibility: Spacious design accommodates large crowds easily.

#### **Key Highlights**

- Innovation: Solid polycarbonate sheets ensure strength, clarity, and weather resistance.
- Impact: Serves 100,000+ annual visitors, improving public experience.
- Government Fit: Meets India's Tourism Ministry and office infrastructure needs.
- Global Quality: Backed by global technology partnerships for excellence.

# PROPOSED PROJECT FOR GROWING INDIAN MARKETS

ROOFING SOLUTION & SKYLIGHT FOR METRO STATION, RAILWAY STATION, BUS TERMINALS & INDUSTRIAL FACTORIES



PTPPL redefines India's transit hubs with DAPP Dura Series polycarbonate canopies and skylights for metro stations, railway stations, bus terminals, and industrial/public areas. Built with advanced technologies and a durable, transparent design, these solutions enhance safety and aesthetics. Our innovative structures support India's infrastructure growth, aligning with government and industrial needs nationwide.

#### **Benefits**

- Ourability: Solid polycarbonate sheets withstand extreme weather and heavy traffic.
- Safety: UV-resistant and impact-proof for passenger protection.
- Natural Light: Skylights reduce energy costs with bright, eco-friendly illumination.
- Aesthetic Appeal: Sleek, transparent design elevates station and industrial zones.
- Sustainability: Eco-friendly materials support green infrastructure goals.
- ✓ Low Maintenance: Reduces upkeep costs for busy public spaces.

# **Key Highlights**

- **Innovation:** Solid polycarbonate sheets offer strength, clarity, and weather resistance.
- **✓ Impact:** Serves millions of commuters, boosting transit efficiency.
- Government Fit: Meets Indian Railways and urban development standards.
- Global Quality: Supported by global technology partnerships for excellence.

# **OTHER SOLUTIONS**

## CONSTRUCTION & ARCHITECTURE INDUSTRY

- - Industrial Glazing Roofing Solution (Skylight)
  - Entrance Canopies at Building Front
- Skylights in PPGI Sheet Roofing
- **Glazing & Architectural Projects**
- Sports Facilities (Stadium, Aranas, Swimming Pool Enclosures)

#### APPLICATIONS FOR HOTEL / CLUBS / HOSPITALITY INDUSTRIES

#### RELIGIOUS & ADVENTUROUS PLACE

#### SIGNAGE & DISPLAY, LED BACKLIGHT SIGNAGE

#### HOME DÉCOR & OUTDOOR LIVING

- ODOr & Window Awning
- ✓ Interior Cladding & Liners
- Facades & Curtain Walls

# AGRICULTURE INDUSTRIES

- Agricultural Infrastructure Solutions includes
  Irrigation Sheds & Storage Solutions.





