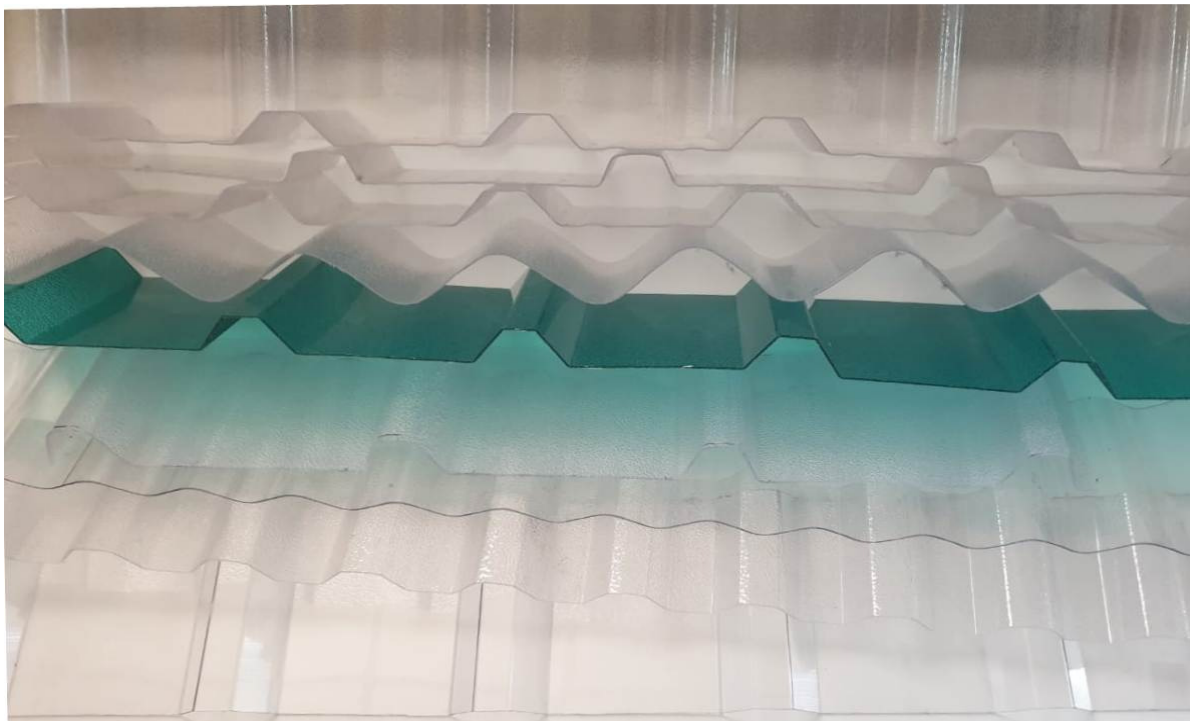




**DUROTUFF™ UV Co-Extruded Online Corrugated Polycarbonate Roofing Sheet**



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## **Introduction**

DUROTUFF™ UV Co-Extruded Online Corrugated Polycarbonate Roofing Sheet facilitate multi-benefit use of natural daylight in industrial scale structures. They stand up to demanding exterior applications and offer multiple advantages over alternatives. PCPL's advanced Metal Profile matching Co-Extrusion technology allows the panels to integrate virtually into any corrugated metal roof. DUROTUFF™ UV Co-Extruded Online Corrugated Polycarbonate Roofing Sheet form a complete shield against harmful UV rays while transmitting very high amounts on visible light. The panels' strength and high resistance to weathering allows them to maintain a high light transmission for very long periods, contribute to the conservation of energy and improve the quality of the working environment. A wide range of colors, transparencies and surface types enables optimal solar transmission specification for any type of structure, environment and climatic conditions.

## **Main Benefits of DUROTUFF™ UV Co-Extruded Online Corrugated Polycarbonate Roofing Sheet**

### **Clarity**

Natural, clear DUROTUFF™ exhibits the clarity of glass, transmitting up to 90% of natural light.

### **Energy Saving**

By transmitting natural daylight into the structure, DUROTUFF™ UV Co-Extruded Online Corrugated Polycarbonate Roofing Sheet reduces energy consumption of electric lighting.

### **Matching Any Profile**

PCPL's corrugation technology enables DUROTUFF™ to be quickly matched into any given profile, opening infinite corrugation possibilities.

### **Strength**

DUROTUFF™ sheets, manufactured from polycarbonate are virtually unbreakable.

DUROTUFF™ is extremely resistant to impact, hailstones and loads.

DUROTUFF™ UV Co-Extruded Online Corrugated Polycarbonate Roofing Sheet Excellent Dimension Stability.

### **Protective**

DUROTUFF™ does not allow harmful UV radiation to penetrate.

Flammability – meets the highest standards.

### **Low Weight**

Light in weight, DUROTUFF™ sheets are easy to handle and install.

### **Weather Resistance**

DUROTUFF™ resist wind, hail and extreme temperatures from -50°C to +120°C.

An integrated UV protective layer allows DUROTUFF™ to retain its transparency without yellowing over the course of a long lifetime of service.

### **10 Year Limited Warranty**

DUROTUFF™ is warranted to retain its attractive appearance over its long lifetime with minimum maintenance.

## **The Benefits of Natural Daylight**

DUROTUFF™ UV Co-Extruded Online Corrugated Polycarbonate Roofing Sheets put to good use the numerous benefits of natural daylight, which is an essential natural asset.

### **Health**

Natural daylight helps people feel better by triggering the release of serotonin. Studies have proven that recovery rate of hospital patients is accelerated where levels of natural light are increased. Seasonal Affective Disorder (or SAD) is a clinically diagnosed condition in which the lack of sunlight in winter makes people feel ill; increased exposure to daylight will reduce the risk of SAD and also aid the healing process. Natural Ultraviolet light creates Vitamin D through our skin, which produces calcium for healthier bones & teeth.

### **Education**

Research demonstrates a clear correlation between classrooms with good natural light and improved student performance and even attendance. This is because in natural light children concentrate better so are more focused and less easily distracted. Some studies suggest that better health helps to explain the improved attendance.

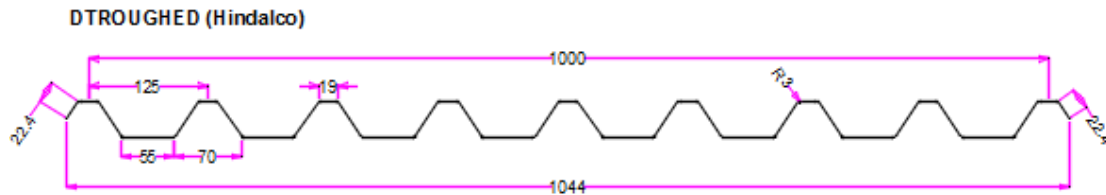
### **Workplace**

Daylight improves concentration so that working environments tend to achieve increased productivity. Research in retail areas suggests that many sales outcomes tend to improve in naturally lit locations. Colors are more vivid and true, making goods appear attractive and encouraging customers to spend more time in these areas. Leading retail organizations include large areas of UV Co-Extruded Online Corrugated Polycarbonate Roofing Sheets in specifications for all new building projects to ensure a high percentage of evenly distributed natural daylight within the interior.

### **Energy Saving**

UV Co-Extruded Online Corrugated Polycarbonate Roofing Sheets can be extremely effective in reducing energy consumption in any given structure. Since lighting represents a significant and controllable part of a structure's expense, energy saving has an undeniable economical benefit. This will also help the environment by reducing the structure's carbon footprint. Specially tinted UV Co-Extruded Online Corrugated Polycarbonate Roofing Sheets with Near-Infra-Red blocking can reduce heat gain and consequently air conditioning requirements.

## Metal Profile matching Co-Extrusion™ - Quick Profile Matching



We have manufacturer many OEM Profile matching Polycarbonate Roofing sheet Like **HINDALCO Everlast Troughed (Trapezoidal) Aluminum Profile Roofing Sheets**. Tata Trimdek, Spendek, Verydek, Kliplok, Flexlok. Zamil Type-Z, Type-S, Sinus 76-18, Asbestos Cement ACC etc.

In addition to over 15 existing profiles, DUROTUFF™ can be quickly matched to virtually any given profile using the unique Metal Profile matching Co-Extrusion production technology.

### Metal Profile matching Co-Extrusion enables the following:

- Maintaining an even and consistent roof assembly
- Simple and convenient installation
- No special fitting accessories are required
- Reducing installation time and cost
- Maximum impermeability
- Maximum flexibility with new or existing roof design
- Made with no additional costs and in very short time
- Excellent Dimension Stability.

For an updated listing of available DUROTUFF™ profiles, please refer to the “DUROTUFF™ UV Co-Extruded Online Corrugated Polycarbonate Roofing Sheet Catalog” available DUROTUFF websites.

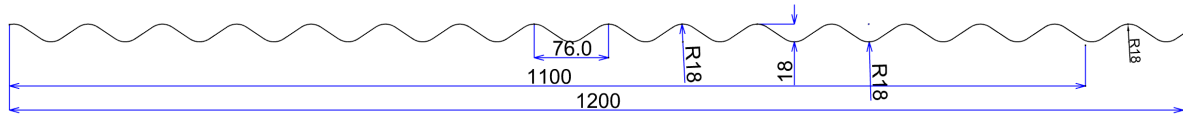
### Light Diffusion Options

DUROTUFF™ UV Co-Extruded Online Corrugated Polycarbonate Roofing Sheets can be specified not only to transmit a desired amount of light, but also diffuse it. Diffused light creates a more pleasant work environment by minimizing blinding and shaded areas. While clear panels transmit the maximum natural daylight, embossed panels mildly disperse it and diffuser panels transmit soft, evenly spread light.

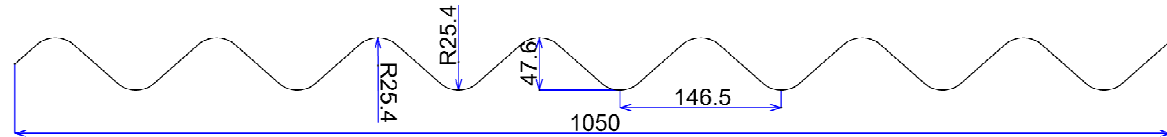
DUROTUFF™ UV Co-Extruded Online Corrugated Polycarbonate Roofing Sheets		
Clear	Embossed	Diffuser
<p>&gt;85% Light Transmission 2% Light Diffusion</p> <p>(Clear DUROTUFF™ UV Co-Extruded Online Corrugated Polycarbonate Roofing Sheets offers glass-like clarity and maximum light transmission)</p>	<p>&gt;85% Light Transmission 40% Light Diffusion</p> <p>(Diffused light helps to reduce shadows cast by structural members; Durotuff Embossed is nearly clear in appearance with a slightly milky cast to it)</p>	<p>&gt;80% Light Transmission 100% Light Diffusion</p> <p>(High light diffusion reduces shadows cast by structure. Light spreads throughout greenhouse, envelops plants in valuable PAR light and penetrates plant canopy)</p>

**DUROTUFF™ UV Co-Extruded Online Corrugated Polycarbonate Roofing Sheet Portfolio.**  
**We are constantly adding new Matching Profile as OEM has required.**

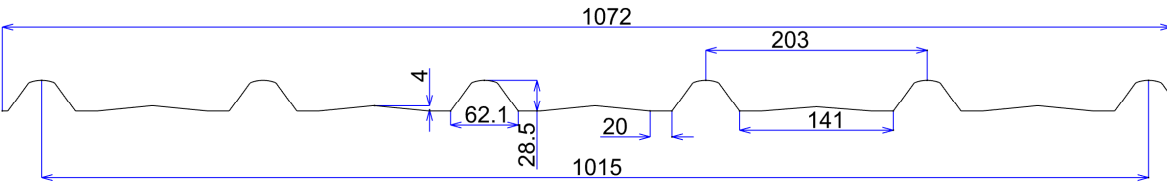
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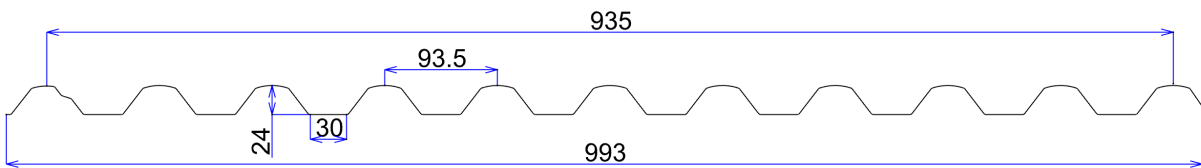
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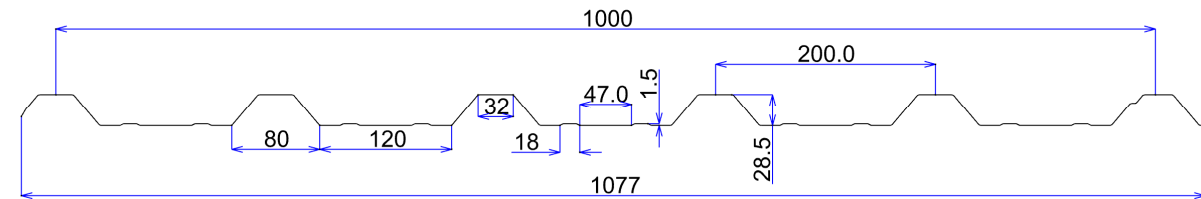
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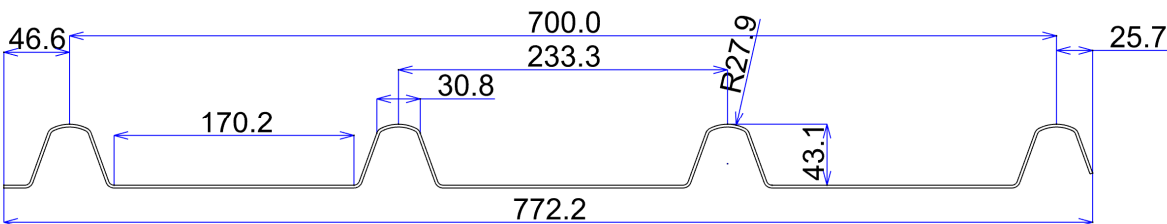
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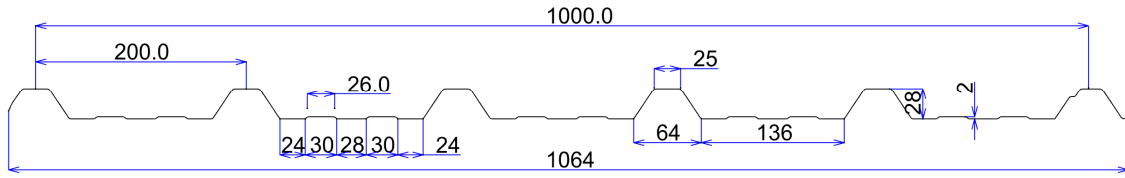
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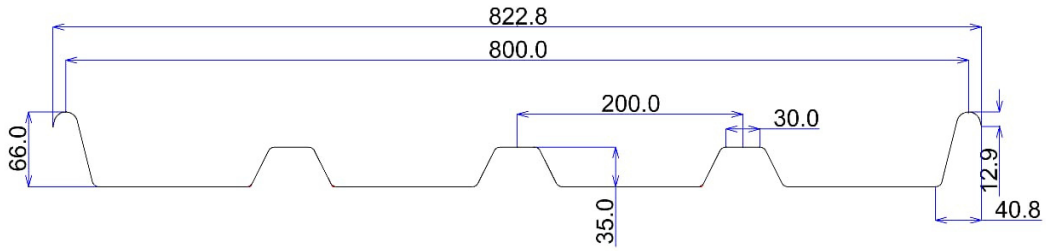
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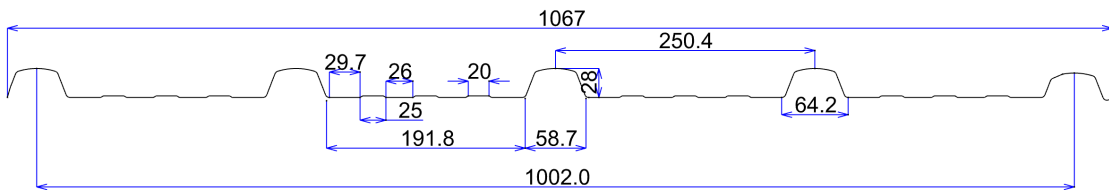
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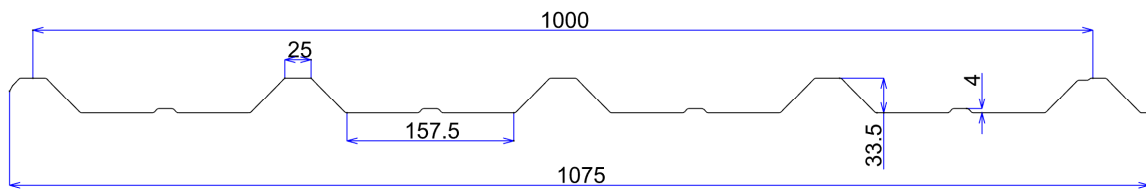
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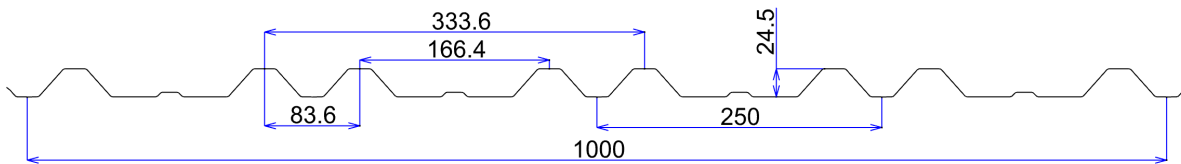
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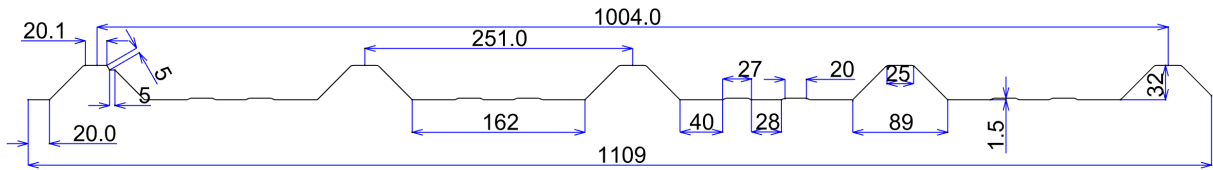
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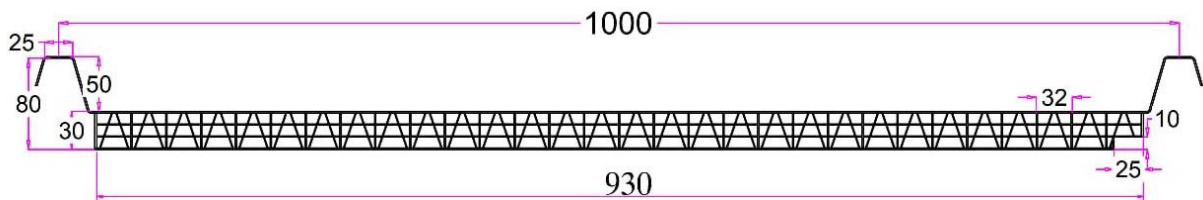
Dtype-ZW



DsGanesh



DuroRoof 5M-30mm



**Past Prestigious Project List which has Used DUROTUFF™ UV Co-Extruded Online Corrugated Polycarbonate Roofing Sheet**

<b>Sr.No.</b>	<b>Project Details</b>	<b>Matching Online Profile</b>	<b>Place Location</b>
1	Tata Bluescope Steel Pvt Ltd	<b>Trimdek</b> 2 mm Polycarbonate	Kalinga, Orrisa
2	Goa Shipyard (Through - Tata BlueScope Pvt. Ltd)	<b>Trimdek</b> 2 mm Polycarbonate	Goa
3	Tata Motors Ltd.	<b>Trimdek</b> 2 mm Polycarbonate	Jamshedpur
4	Rail Coach Factory (Through - Isgec Heavy Engineering Ltd.)	<b>Zamil Profile</b> 2mm Polycarbonate	Latur, Maharashtra
5	Rail Coach Factory (Through - Isgec Heavy Engineering Ltd.)	<b>Zamil Profile</b> 2mm Polycarbonate	Sonipat, Haryana
6	Bhushan Steel Limited	<b>Bhushan Profile</b> 2mm Polycarbonate	Sahibabad, UP
7	Bhushan Steel Limited	<b>Bhushan Profile</b> 2mm Polycarbonate	Dhenkanal, Orissa
8	Sunflag Iron & Steel Co. Ltd	<b>CGI Corrugation Profile</b> 2mm Polycarbonate	Nagpur, Maharashtra
9	KD Construction	<b>JSW Profile</b> 2mm Polycarbonate	Sanpada, Maharashtra
10	Gold Plus Glass Industry	<b>Everest Profile</b> 2mm Polycarbonate	Roorkee, Uttrakhand
11	JSW Ltd.	<b>JSW Profile</b> 2mm Polycarbonate	Jaigarh Goa
12	GMRCL (Ahmedabad Metro)	<b>Standing Seam</b> 2mm Polycarbonate	Ahmedabad, Gujarat
13	Rail Coach Factory	<b>CGI Corrugation Profile</b> 2mm Polycarbonate	Kapurthala, Punjab
14	Takenaka India Pvt. Ltd.	<b>KlipLok (TBSL)</b> 2mm Polycarbonate	Ahmedabad, Gujarat
15	Hindustan Copper Ltd.	<b>CGI Corrugation Profile</b> 2mm Polycarbonate	Jharkhand

**Project Gallery:**









**BHUSHAN**

Bhushan Steel Limited

