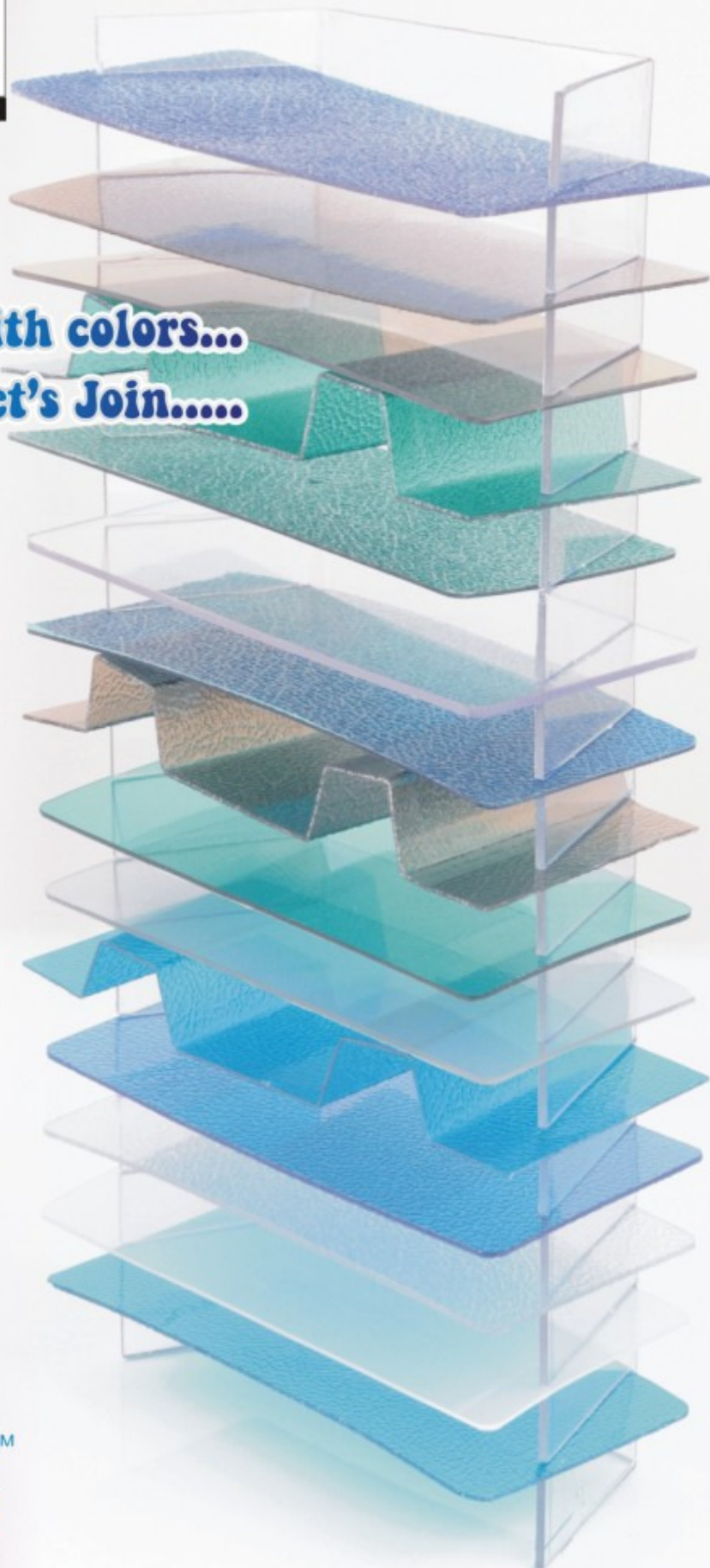




**India is growing with colors...
Let's Join.....**



DUROTUFF™
POLYCARBONATE SHEET





COMPANY PROFILE

About the Company

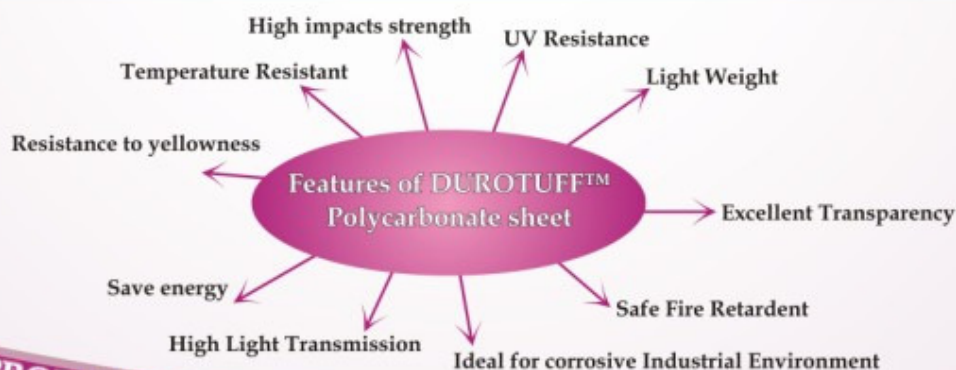
Power Chem Plast Ltd an ISO 9001-2008 Company is in the line of chemical business since last 25 years and has gained leading name in the line. Marketing experience has strengthened our belief that quality products add value and useful application knowledge. After establishing its name in the field of chemical business, with the aim to do something different, the Company entered into the business of polycarbonate sheets. Taking into consideration the demand of "quality" polycarbonate sheet in Industrial, commercial and domestic field as well, the promoters/management of the Company decided to introduce a "quality product" of polycarbonate sheets of its own. Thus the Company set up- state of the art manufacturing plant to make solid polycarbonate sheet through the co-extrusion process and produce an indigenous product with international standard in Baddi (an Industrial Estate of H.P.) . With their hard work and dedication towards business reputation, the promoters of the Company succeed to produce an unmatched & trustworthy quality of polycarbonate sheet and introduced the same in the market under the registered brand name "DUROTUFF™". One can depend upon it.

"Only SKY" is not the limit of the Company, the Company targets "above sky".

ABOUT PRODUCT

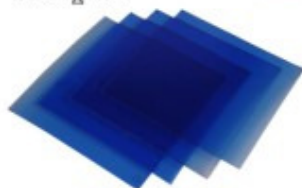
Today with the construction boom, there is great demand for modern, aesthetic building materials that are sturdy, tough, yet long-lasting. Roofing material too has undergone a sea change. More companies today are opting for dynamic, international looks with superior quality. DURTUFF's™ high impact strength and impressive physical properties, make it an ideal choice to provide natural light and compliment the industrial commercial and agriculture roofing system. The company has in-house facility to make profile sheets, maximum length up to 8 meters of different metal profiles for lighting in industrial sheds.

DUROTUFF polycarbonate sheet product can be made available in different colours and dimensions.

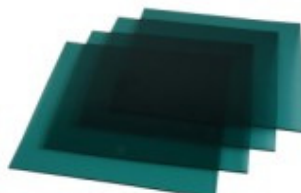


RANGE OF PRODUCTS

Compact



Blue TP31720CT



Green TP37395CT



IR Green TP00450CT



Bronze TP41630CT



Properties of Durotuff Polycarbonate Sheet:-

	Name of the test	Test method	Unit	Test Value for 2mm Compact Clear	Test Value for 2mm Embossed Clear
	Light Transmittance	ASTM D 1003	%	88.4	85.1
	Heat Deflection Temp. @ 264 psi	ASTM D 648	°C	137	138
	Flexural Strength (Max)	ASTM D 790	N/mm ²	122.30	106.28
	Specific Gravity	ASTM D 792	--	1.20	1.20
	Flammability	ASTM D 635	--	After removal of flame from specimen it does not continue to burn till 25mm	After removal of flame from specimen it does not continue to burn till 25mm
	Rockwell Hardness 'R' Scale	ASTM D 785	--	119	108
	Tensile strength	ASTM D 638	N/mm ²	68.48	62.89
	Elongation at Break	ASTM D 638	N/mm ²	100.66	29.33
	Thermal Conductivity	ASTM E 1530	W/mk	0.218	0.154
	Coefficient of thermal Expansion	ASTM D 696	/°C	3.0×10^{-5}	2.5×10^{-5}
	Light Transmittance	ASTM D 1003	%	88.4	85.1
	Thermal Conductivity	ASTM E 1530	w/mk	0.218	0.154

(Product tested Central Institute of plastics engineering & technology (CIPET), Jaipur-302022)

AREA OF APPLICATION

DUROTUFF Polycarbonate Corrugated Sheets are used principally in Industrial applications, which include Industrial skylights, Slighting and North light Glazing. However, these corrugated roofing sheets may also be used in commercial buildings, infra structural complexes and residential applications. Following are few typical application areas.



Clear TP00100CT



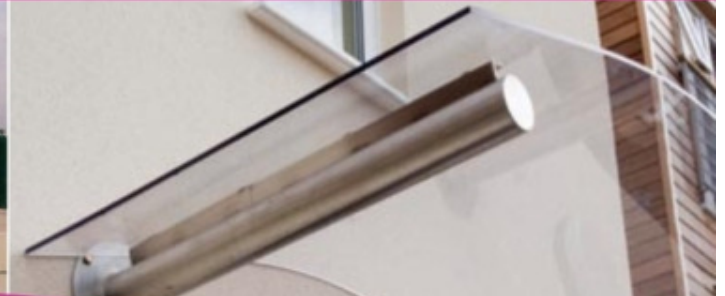
Opal White DIF60340CT



Clear Diffuser DIF00080CT



Reflective Silver MET12105CT

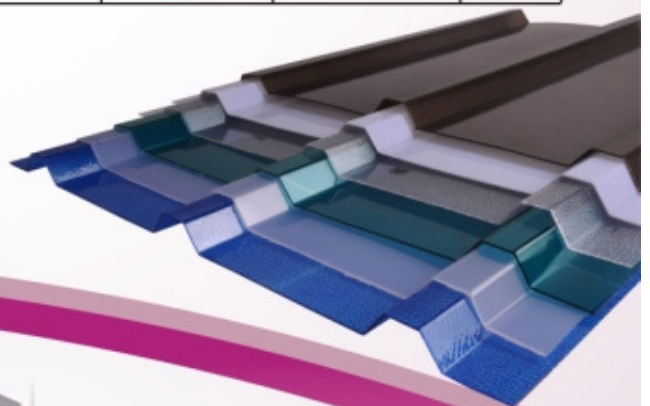


- Skylights in railway stations & bus stands.
- Skylights for large warehouses.
- Natural lighting for operational areas in airports, ports, cargo complexes etc.
- Terrace covering, chhajjas and private extensions.
- Green houses for critical cash crops, sensitive to climate changes.
- Schools and Educational institutions.
- Weather protection for aquaculture ponds.

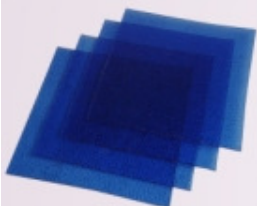
Comparison between FRP & Polycarbonate Sheet

DUROTUFF polycarbonate sheet product contains an excellent balance of physical, mechanical and environmental properties than FRP those are maintained over a wide range of temperature and humidity conditions. Specific comparison on the properties between FRP and **DUROTUFF** polycarbonate sheet is displayed below:

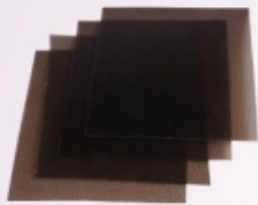
	% Light Transmission	Impact Resistance	Weatherability	Fire Resistance	Design Flexibility	Size Availability	Weight
METALS	NIL	High	Rusts Dents Clips	Excellent	Low	Limited	High
GLASS	UPTO 90%	Low	Excelent	Cracks	Very Low	Std.	High
PMMA	UPTO 89%	10 times glass	GOOD	Propagates Fire	Limited	Std.	Low
FRP	UPTO 70%	Good	Bad to Good	Propagates Fire	Good for Shapes	Limited	Low
PVC	NIL	Medium	Bad	Toxic Fumes	Good	Limited	Low
DUROTUFF Polycarbonate sheet	Upto 89%	Very High 250 times Glass	Very Good	Self extinguishing	Excellent Curve bend form	Tailored to requirements	Low



Embossed



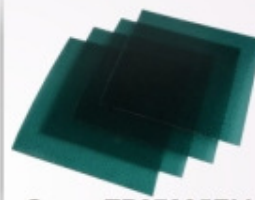
Blue TP31720EM



Bronze TP41630EM



Clear TP00100EM



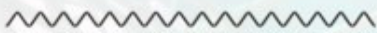



Green TP37395EM



Turquoise TP32400EM

DUROTUFFTM POLYCARBONATE SHEET

RANGE AND DIMENSION OF DUROTUFF INDUSTRIAL PROFILE

Profile Name	Profile	Pitch mm	Depth mm	Width Trimmed mm	Net Coverage Mm	Thickness Mm
Sinus 76/18		76	18	1070	1020	1.5, 2, 3
BSI 146/48		146	48	1050	1000	1.5, 2, 3
Maxi 1040		---	---	1120	1040	1.5, 2, 3
Industrial (Customized)		---	---	---	---	1.5, 2, 3

AVAILABLE RANGE OF DUROTUFF POLYCARBONATE INDUSTRIAL PROFILE SHEET

DUROTUFF polycarbonate profile sheets are available in matching profile to most of the contemporary corrugated roofing sheets. The dimensions are generally governed by the customer requirement and hence we offer tailor made solution in terms of choosing the right product and the dimensions in which it is required for a particular application. An island skylight configuration would require polycarbonate corrugated sheets in dimension identical to the corrugated roofing sheets. In strip-light configuration it may be varied as per recommendation of the Architect/Consulting Engineer.

- DUROTUFF profile sheets range is available in both embossed and compact.
- Higher thickness can be made available if specifically ordered.

DISCLAIMER

Presentations, technical information and recommendations made here-in the brochure are believed to be correct and accurate to the best of knowledge of Power Chem Plast Limited at the time of preparation and are given in good faith. Since the information, conditions indicated here-in the brochure are based upon the technical information and process thereof available at the time of preparation and the use of the product by the user is beyond our control and is responsibility of the user exclusively, Power Chem Plast Limited disclaims any and all liabilities of result arising from the incorrect or faulty use of product or reliance on such information and presentations. Power Chem Plast Limited provides this information in an advisory capacity only and reserves all rights to change or alter the specification without prior information.

Power Chem Plast Limited

Auth. Distributor / Dealer

Corrugated Sheet



DUROTUFF™
POLYCARBONATE SHEET

RANGE OF PRODUCT

We produce the range of **DUROTUFF** polycarbonate sheets in thickness, width and length especially keeping in view the general requirement of the customers and lesser installation wastage.

Type	Colors	Thickness	Min- Max Width	Length	UV Protection
DUROTUFF Compact	Clear, Bronze, Green, Blue, Opal White, IR Green*, Reflective Silver*, Clear Diffuser*	1.5mm to 10mm	1220mm to 2100mm	2440mm to 30500mm	Both side
DUROTUFF Embossed	Clear, Bronze, Blue, Turquoise, Green	1.5mm to 10mm	1220mm to 2100mm	2440mm to 30500mm	Both Side
DUROTUFF Profile Sheet	Clear, Bronze, Green, Blue, Turquoise, Opal White, IR Green*, Reflective Silver*, Clear Diffuser*,	1.5mm to 4mm	1070mm to 1220mm	Upto 8000 mm	Both Side

(*) marked are premium colors

WHY INSIST ON "DUROTUFF™"

Most of the products of polycarbonate sheet available in the domestic market under different brands and trade names are duly procured/imported from China. **DUROTUFF™ polycarbonate sheets product is entirely indigenous, manufactured/produced at Company's own factory in INDIA with high quality raw material under the supervision of technically expert promoter of the Company. The indigenous product "DUROTUFF™" is manufactured and produced keeping in view the international standard of quality.** The Company has its own group of rich-experienced and devoted employees and effective quality management system, those work on pick and choose of quality raw material policy. This process and choice of quality raw materials ensures uniform thickness, excellent, optimum strength, durability and long life of the product.

The test result value of "DUROTUFF™" does not only achieve the International Standard of quality, but also surpass.

To insure its international standard of quality, the Company carries out periodical analysis of raw material prior in-putting, at different stages during its manufacturing process and after out put of finished product, the Company has set up its own in house Lab. System, duly installed with latest technology equipments upto the mark of International Standard testing results. For the purpose, the Company has employed a team of highly qualified Lab. Technicians and expert attendants having complete knowledge of analyzing the polycarbonate sheet raw material, its products and all other equivalent products as well. ***The test result value of our in house test results carried, matches with the International Standard Lab. Testing results.***

"Always Learning and Exceeding" are our power resources and expansion of business principle. With business principle of "Quality is foundation and honesty is our first priority", we not only produce high quality polycarbonate sheets, but also provide all-round support after sale.

Power Chem Plast Limited