

Dura LITE®

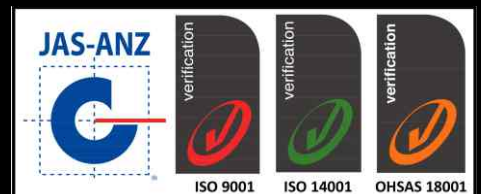
Composite Translucent Roof and Cladding



Members of :



American Composite Manufacturers Association



Product Description

Dura LITE is a high quality Fiberglass Reinforced Plastic and guaranteed. Manufactured by automatic and oven cured system strongly supported by Duralite Technologies Machine USA.

Dura LITE especially developed resistant to weathering change, UV light, chemicals corrosive vapor and corrosive environmental area.

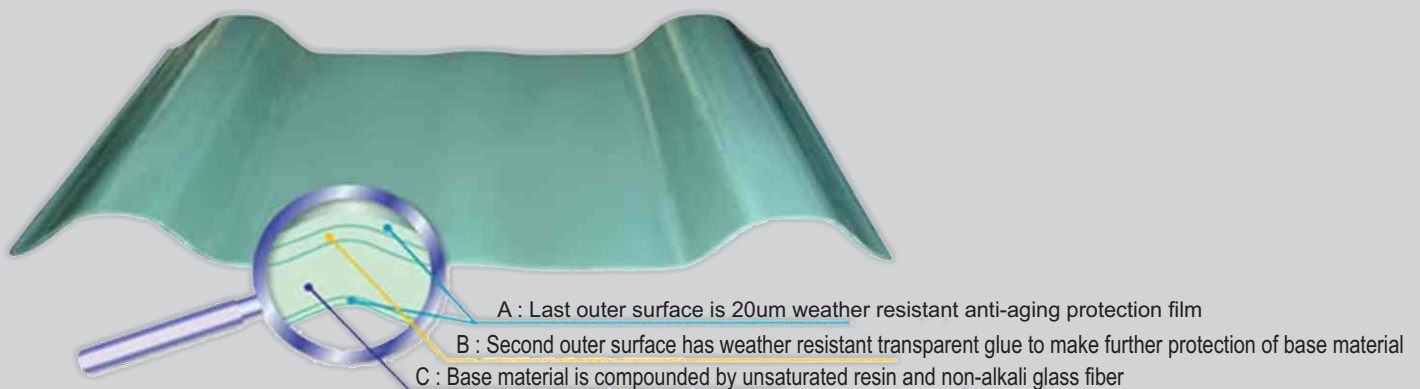
Different to conventional fiberglass roofing, Duralite structured by two main material, Polymer especially developed for roofing sheet, with UV stabiller and E Glass grade ex USA as reinforcement layer and both on the exposed and under side protected high quality polyester film 20 micron. Choose E Grade Glass is the quality commitment, E Glass grade has a high mechanical properties and reach at least 25% glass content by weight.

Dura LITE adalah atap fiberglass reinforced plastic berkualitas dan bergaransi. Dibuat dengan mesin Duralite Technologies USA, otomatis dan system oven curing. Menghasilkan atap fiberglass berkualitas dan berkapasitas produksi tinggi.

Dura LITE dikembangkan secara khusus untuk tahan terhadap perubahan cuaca, sinar ultra violet dan korosi karena uap kimia di pabrik, dan lingkungan korosif lainnya.

Berbeda dengan atap fiberglass konvensional pada umumnya, Duralite dibuat dengan dua komposisi material pilihan yaitu : polymer yang dikembangkan khusus hanya untuk aplikasi atap yang mengandung anti UV dan glass reinforcement E Grade Glass, ex USA dan pada kedua permukaan di lindungi dengan plastic film 20 micron berkualitas tinggi.

Mengapa atap Duralite menggunakan E Grade Glass ex USA, Karena glass tersebut sangat sempurna menyerap polymer resin, sehingga atap tidak akan keropos, serabut dan memiliki kekuatan mekanis yang tinggi.



Selected Materials Support



OCV™

Reinforcements



MITSUBISHI
POLYESTER FILM



Jushi Group Co.Ltd

fgi
® fiber glass
international

SCOTT BADER

Manufacturing System

Duralite Technologies USA strongly supported a advanced manufactured fiberglass roofing, countinuous laminating system. Machine is automatically operated and has oven cured system.

Advantages of Continuous Laminating Machine :

- ✓ High speed production capacity
- ✓ Automatic precision cutting
- ✓ Oven cured system
- ✓ Polyester film protected both on exposed and under side product

Didukung penuh oleh Duralite Technologies USA, dengan menggunakan mesin pembuat atap modern terkini. Mesin dijalankan dengan otomatis dan dilengkapi dengan mesin pemanas, membuat product otomatis kering sempurna begitu keluar dari mesin pembuat.

Keuntungan Continuous Laminating Machine :

- Kapasitas produksi yang tinggi
- Pemotong presisi yang bekerja otomatis
- Dilengkapi dengan mesin pemanas.
- Polyester film melindungi dua muka bagian product.



Continuous Laminating Machine Manufactured and Tested in Arkansas - USA



Continuous Laminating Machine Operate at Jakarta Factory



Installation Method



A. Weather Lock
B. Bonded Washer

C. Enviro Coat Roofing Screw
D. Enviro Coat Cladding Screw

FASTENER ROOF



FASTENER CLADDING





Product Features

Dura LITE especially developed to stand up to tough tropic area. The sheeting is made from the highest quality materials available using the worlds latest resin technology.

Dura LITE has inbuilt protection against the transmission of harmful ultra violet rays. A tough polyester film on each sheet increases its life as is prevents reinforcing glass becoming exposed on the surface of the sheet. Available in a wide range of profiles, weights and colours, **Dura LITE** is the premium choice for roofing and cladding

Dura LITE dikembangkan dan di sesuaikan untuk aplikasi lingkungan tropis. Dibuat dari material berkualitas tinggi yang sesuai dan dengan menggunakan resin berteknologi terkini. Dura LITE mengandung bahan untuk melawan pancaran dan panas sinar Ultra Violet. Lapisan film di bagian sisinya akan membuat permukaan dan lapisan glass tahan pancaran sinar UV. Tersedia berbagai jenis profil, berat dan warna, Dura LITE adalah pilihan mewah untuk atap dan dinding.

Product Type	Color	Light Transmission	Solar Heat Gain
 Clear Lite	Clear Transparant	89 %	610 W/m ²
 Cool Lite	Green Transparant	80 %	570 W/m ²
 Super Cool Lite	Milk White Transparant	62 %	486 W/m ²

Key Features

- ✓ Excellent long term weathering
- ✓ 10 & 15 Years warranty *(term & conditions apply)
- ✓ Excellent UV protection
- ✓ Outstanding surface erosion resistance
- ✓ Superior long term clarity properties

Applications :

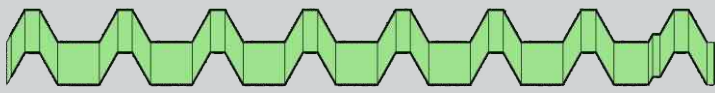
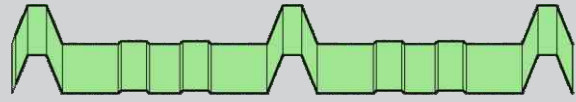
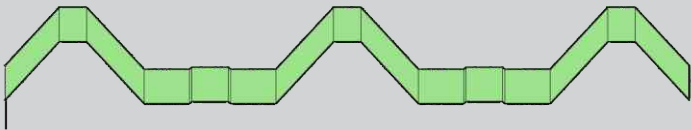
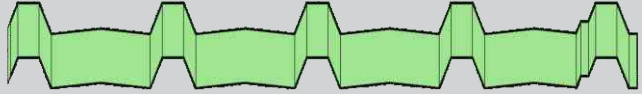
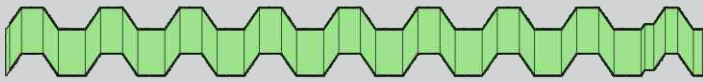
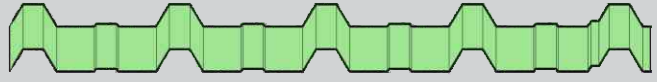
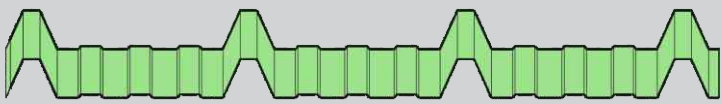
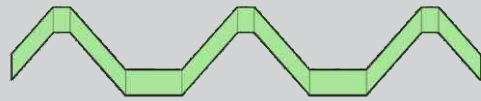
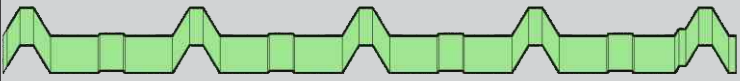
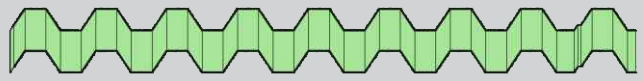
- ✓ Industrial and warehousing roofing
- ✓ Industraila and warehousing siding
- ✓ Building & Commercial skylight
- ✓ Nursery & green house

Product Specifications

Profile	Customized overlapping with metal
Length	12 meter or 11.9 (export lenght standard)
Product weight standard	1900 gsm – 2400 gsm – 3000 gsm – 4800 gsm
Nominal thickness	1.2 mm – 1.5 mm – 2mm – 3 mm (± 15%)
Surface protection	UV protection film
Glass reinforcement	E glass grade
Polyester resin	advanced anti UV resin
Heat distortion temperature	200 Deg C
Operating temperature	-20 – 110 deg C
Chemical v apor resistant	excellent
Glass content	at least 25% by weight
Modulus elasticity	8.15×10^3 Mpa
Flexure strength	103.7 Mpa
Tensile strength	87.1 Mpa
Compressive strength	223 Mpa
Barcol hardness	> 30 shore

Corrugated Type <wide range available to special order>

Type gelombang tersedia sesuai pesanan

	
LT-7	Kliplock
	
Fumira BL-600	Trimdeck
	
Spandek 700	Fumira GG 750
	
Union Clip Panel	V-650
	
Single Rib 1000	Fumira G-680

Project References

1. Export

- **Metito (Over Seas) Ltd - Sharjah U.E.A**
- **Duralite Technologies INC - Arkansas USA**
- **Goro Nickel Project - New Caledonia Australia**
- **Hormus Petrochemicals Plant - Assaluyeh Iran**

2. Local

- **Monde Mahkota Biscuits - Jababeka Cikarang**
- **KIA Motors Manufacturing - Delta Silicon Cikarang**
- **Gunung Garuda Steel Mfg - Cibitung**
- **Wilmar Group - Medan**
- **PT. Petro Kimia - Gresik**
- **PT. Asiatic Perdana - Jambi**
- **PT. Wilmar Nabati Indonesia - Gresik**
- **PT. Industri Jamu dan Farmasi Sido Muncul - Semarang**
- **PT. Cibadak Indah Sari Farm - Bogor**
- **PT. Lontar Papyrus Pulp & Paper - Riau**
- **PT. Indah Kiat Pulp & Paper - Riau**
- **PT. Katsushiro Indonesia - Jababeka Cikarang**
- **PT. KAO Indonesia - Bekasi**
- **PT. Fuji Seimitsu - Jababeka Cikarang**
- **PT. Nusantara Parkerizing - Jakarta**
- **PT. Krakatau Steel**
- **PT. Free Port Indonesia**

Manufactured by,
PT. GRAHA ADHI JAYA ABADI

Factory :
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Blok I No. 12 A - Marunda – Jakarta

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