



الاول لصناعة الالياف الزجاجية ذ.م.م.
ALAWAL FIBER GLASS INDUSTRY L.L.C.

AL AWAL FIBER GLASS EXPLORE OUR GRP ENCLOSURES

Discover the perfect balance of durability, customization, and innovation with our range of high-quality GRP enclosures.

Explore how our tailored solutions can safeguard your sensitive equipment in any environment.



CERTIFIED EXCELLENCE



ABOUT US

Welcome to Al Awal Fiberglass, your trusted and certified GRP (Glass Reinforced Plastic) manufacturer located in the heart of Ajman, UAE. Since our inception in 2014, we have established ourselves as a dedicated provider of high-quality FRP enclosures, serving a diverse clientele that includes both local businesses and government entities across the United Arab Emirates.

At Al Awal Fiberglass, we take immense pride in our commitment to excellence and our unwavering focus on producing top-tier GRP enclosures. Our core expertise lies in crafting enclosures that are tailor-made to safeguard sensitive electronic components and equipment, ensuring their longevity and optimal performance even in the most demanding and harsh environments.



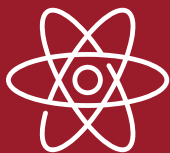
QUALITY ASSURANCE

Our commitment to quality shines through every step, ensuring our GRP enclosures meet the highest industry standards, providing reliable protection.



CUSTOMIZATION

Tailoring GRP enclosures to your unique needs, our experts collaborate closely with you, delivering solutions that perfectly match your project requirements.



INNOVATION

Pioneering GRP technology, we actively explore innovative solutions, pushing boundaries to deliver exceptional results for your projects.



ADVANTAGES OF GRP AS MATERIAL

Composite products made of GRP (Glass Reinforced Polyester/GRP/FGRP) are classified as the modern-day material, owing to its superiority in terms of its adjustable characteristics such as high strength-to-weight ratio, commendable thermo-mechanical, non-conductive and corrosion resistant properties.

- ✓ GRP is light-weight and helps in cutting expenses on labor and installation.
- ✓ GRP increases construction speed that further reduces environmental impacts.
- ✓ GRP materials are not just durable; they also have high strength as compared to traditional materials.
- ✓ Users can expect less material usage to attain better or similar performance compared to conventional materials which result in lessened resource use as well as waste production.
- ✓ GRP has great potential in further maximizing the longevity of existing as well as new and structures that can resist the harsh effects of weathering, degradation, and aging in severe environments.
- ✓ GRP materials are extremely resistant to corrosion and rot.
- ✓ Besides these, they present a longer and yet more efficient service life.
- ✓ GRP products hardly require an energy-intensive placement and are almost maintenance free.



GRP ELECTRICAL ENCLOSURES

GRP enclosures are designed to protect mainly LV switchgears, utility meters and other electrical components from all kind of weather in outdoor installation. These enclosures are generally suitable for installation on flat concrete floor, however there is an option to mount on wall or pole. These enclosures are UV resistant, corrosion resistant, fire resistance and precisely suitable for outdoor use in harsh weather conditions of high humidity and temperature dominant in gulf region. These enclosures have design life in excess of 40 years.

STANDARD FEATURES

- Ingress protection to IP66, IP65, IP55 & lesser (Certified to BS EN 60529)
- Weatherproof and UV resistant (Certified to ASTM G154)
- Fire retardant & self-extinguishing (Certified to BS476 Part 7 Class 2)
- High impact resistant up to BS 2782
- Anti-static
- Standard external finish: Semi-gloss UV resistant grey color gelcoat finish to RAL7035
- High temperature resistant & long-life EPDM rubber gasket for door sealing
- Molded threaded studs on back wall for mounting plate fixing
- All hardware of galvanized steel or corrosion resistant material

OPTIONS

- Ingress protection to IP65,66 certificate
- Higher fire rating
- Insulated construction sandwich with PU foam/Rockwool.
- Anti-vandal construction sandwich with WBP plywood.
- Additional Inner door
- Stainless steel hardware
- External colors in any other RAL color.

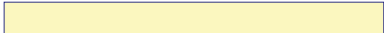
ACCESSORIES

- Mounting Plate
- Gland Plate
- UV Resistant See-through Window
- Plinth/Pedestal
- Vents (Natural/Forced)*
- Lifting Hooks
- Wind Stays
- Document Pocket
- Wall Mounting Brackets
- Adding vents may reduce ingress protection

STANDARD COLORS

RAL 7035 

RAL 9010 

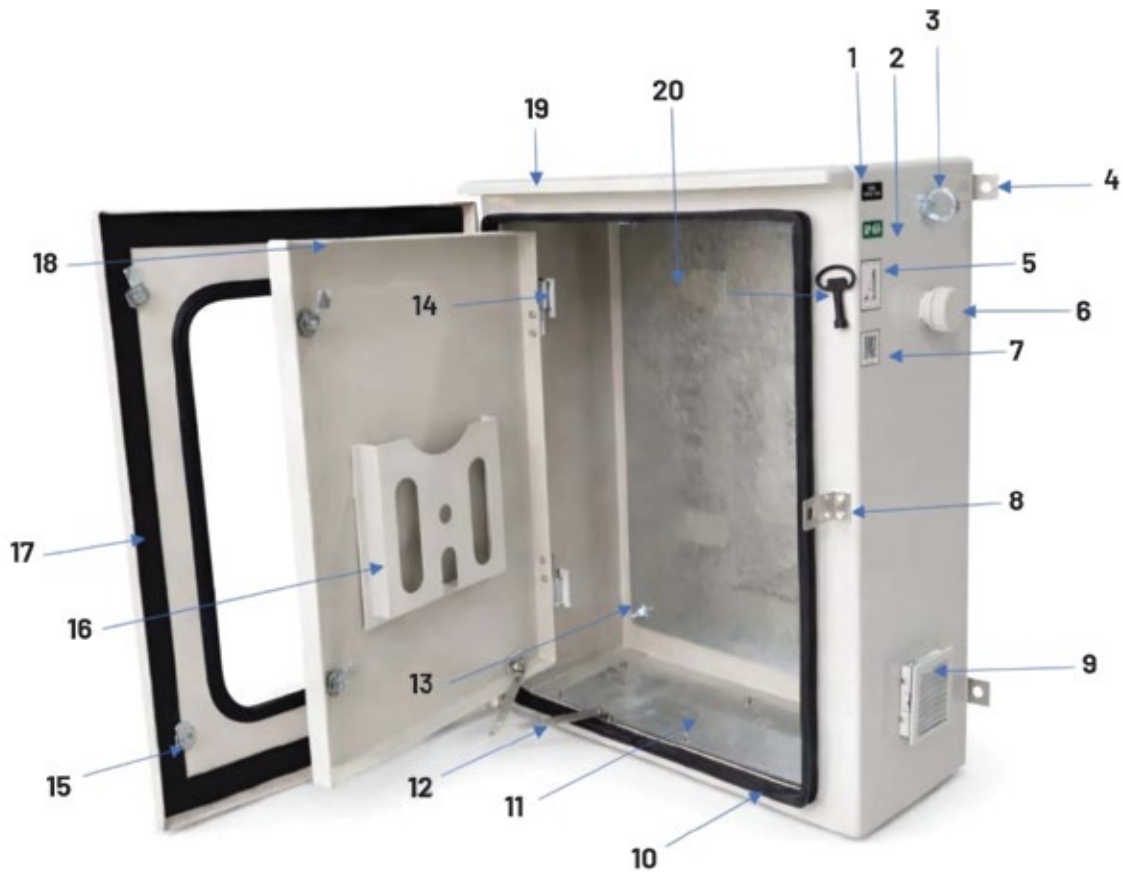
RAL 1015 

RAL 7032 



Made to order special colors are available upon request; subject to availability and pricing

Refer to our RAL color hues for selection.



- 1 Final inspection sticker
- 2 IP rating sticker
- 3 lifting hooks
- 4 wall mounting brackets
- 5 our logo stickers
- 6 pressure compensation device IP 66
- 7 QR scanner
- 8 pad lock

- 9 air ventilator IP 55
- 10 EPDM rubber seal bulb type
- 11 G.I gland plate
- 12 Door stay self lock
- 13 studs for mounting plate
- 14 hinges
- 15 Turn lock with IP rating.
- 16 Drawing pocket

- 17 Expensed neoprene EPDM
- 18 Internal GRP door
- 19 Canopy (Half or Full)
- 20 G.I Mounting plate



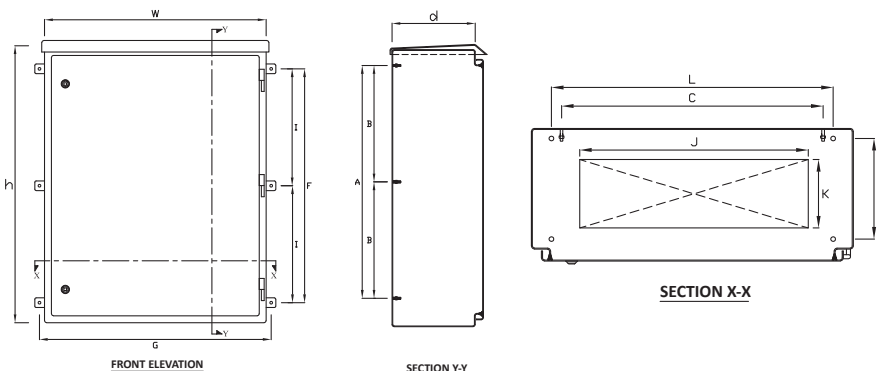
GRP ELECTRICAL ENCLOSURES

SINGLE DOOR ENCLOSURE

- Wall thickness 4mm commonly & 6mm at stress points
- Single door
- Full rain canopy
- Quarter turn square key lock, chrome plated zinc die cast
- Liftoff Hinges, chrome plated zinc die cast
- Customizable with different accessories & dimensions

ALL DIMENSIONS ARE IN MM

Scale-mm	Internal Size			Clear Access		Mounting Plate Size		Gland Plate Size		C-C Of Stud				
	SR NO.	H	W	D	Height	Width	Height	Width	Length	Width	F	E	C	L
1	300	200	150	X	X	250	180	X	X	210	x	x	x	x
2	400	300	150	330	230	300	270	220	100	260	x	x	x	230
3	450	400	200	350	300	340	340	340	110	300	x	x	x	300
4	400	400	300	390	390	340	340	340	220	300	x	x	x	300
5	500	400	200	400	300	400	340	340	110	360	x	x	x	300
6	500	500	300	400	400	400	370	400	180	360	x	x	x	330
7	600	400	200	500	300	490	350	340	110	450	x	x	x	310
8	600	400	400	500	300	490	350	340	300	450	x	x	x	310
9	650	550	210	550	450	530	470	450	130	490	x	x	x	430
10	600	500	500	500	400	470	430	470	360	430	x	x	x	390
11	600	600	200	500	500	530	470	450	130	490	x	x	x	430
12	600	600	400	500	500	530	470	490	180	490	x	x	x	430
13	850	600	200	750	500	690	520	450	130	650	x	x	x	480
14	850	550	300	750	450	690	520	540	220	650	x	x	x	480
15	800	600	300	700	500	690	520	490	180	650	x	x	x	480
16	800	600	400	700	500	690	520	490	180	650	x	x	x	480
17	800	800	300	700	700	680	720	650	190	640	x	x	x	680
18	1000	600	250	900	500	840	520	540	220	800	x	x	x	480
19	1000	650	300	900	550	840	560	540	220	800	x	x	x	520
20	1000	800	250	900	700	840	720	650	190	800	x	x	x	680
21	1000	800	300	900	700	840	720	650	190	800	x	x	x	680
22	1000	1000	300	900	900	890	840	800	240	850	x	x	x	800
23	1200	600	200	1100	500	1040	520	450	130	x	x	x	500	480
24	1200	850	300	1100	750	1040	720	650	190	x	x	x	590	680
25	1600	1000	300	1500	900	1420	920	800	240	x	x	x	690	880
26	1500	1000	300	1400	900	1340	920	800	240	x	x	x	650	880
27	1400	1000	300	1300	900	1220	920	800	240	x	x	x	590	880
28	1200	1000	300	1100	900	1040	890	800	240	x	x	x	500	850
29	1600	800	300	1500	700	1450	700	650	190	x	x	x	690	680
30	1500	800	300	1400	700	1340	700	650	190	x	x	x	650	680
31	1400	800	300	1300	700	1220	700	650	190	x	x	x	590	680
32	800	800	400	700	700	680	700	650	300	640	x	x	x	680
33	1600	800	400	1500	700	1450	700	680	300	x	x	x	690	680
34	1500	800	400	1400	700	1340	700	680	300	x	x	x	650	680
35	1400	800	400	1300	700	1220	700	680	300	x	x	x	590	680
36	1200	800	400	1100	700	1040	700	680	300	x	x	x	500	680
37	1000	1000	400	900	900	890	840	880	300	850	x	x	x	800
38	1200	1000	400	1100	900	1040	890	880	300	x	x	x	500	850
39	1400	1000	400	1300	900	1220	920	880	300	x	x	x	590	880
40	1600	1000	400	1500	900	1420	920	880	300	x	x	x	690	880
41	1800	1000	400	1700	900	1650	920	880	300				810	880
42	2000	1000	400	1900	900	1850	920	880	300	x	x	x	910	880



POLYESTER ENCLOSURE

METERING CABINET

(SINGLE/MULTI WINDOW SHUTTER)

TAQA APPROVED ENCLOSURES

STANDARD FEATURES

- Viewing window with lockable shutter - for one/two/four meter.
- Ingress protection to IP66/IP65/IP55 & lower
- *Addition of ventilator may hamper ingress protection
- Weatherproof & rigid construction, suitable for outdoor use High impact, corrosion & temperature resistant
- Liftoff type chrome plated brass hinges
- Awning type canopy above the door
- Key locks, zinc die cast & chrome plated - 2 nos
- Studs on back wall for mounting plate fixing
- Wall thickness 3 mm generally & 5 mm at stress points Fire retardant, self extinguishing to BS 476: Part 7: 1997 Class 2
- External finish: Plain semi gloss light grey gelcoat finish to RAL 7035
- Long life & high temperature resistant EPDM rubber door seal
- All hardware of galvanized steel or non-corrosive material

OPTIONS

- Wing type lock, with/without key
- Stainless steel hardware
- Pad locking facility
- Higher wall thickness
- Higher fire rating
- Facility to put utility authority seal
- External finish in colours as per standard chart below
- Other colours on special request

ACCESSORIES

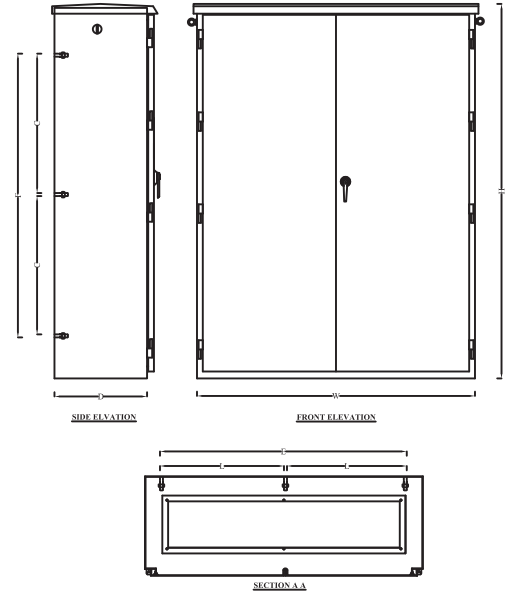
- Mounting plate
- Gland plate
- Ventilators*
- Wall mounting brackets



GRP ELECTRICAL ENCLOSURES

DOUBLE DOOR ENCLOSURE POLYESTER ENCLOSURE (STANDARD FEATURES)

- Ingress protection to IP66/IP65/IP55 & lower *Addition of ventilator may hamper ingress protection
- Liftoff type chrome plated brass hinges Awning type canopy above the door for GRP Metering Cabinet
- Full canopy for single / double door Enclosure
- Meter viewing window (on request)
- Key locks, zinc die cast & chrome plated - 2 nos
- Wing type lock, with/without key - 2 nos
- Swing handle type locking arrangement
- Studs on back wall for mounting plate fixing
- Wall thickness 3 mm generally & 5 mm at stress points for polyester enclosure metering cabinet.
- Wall thickness 4 mm generally & 6 mm at stress points for polyester enclosure single and double door.
- Fire retardant, self extinguishing to BS 476: Part 7: 1997 Class 2
- External finish: Plain semi gloss light grey gelcoat finish to RAL 7035
- Long life & high temperature resistant EPDM rubber door seal All hardware of galvanized steel or non-corrosive material



OPTIONS

- Cylinder key lock with handle & dust cap
- Stainless steel hardware
- Pad locking facility
- Higher wall thickness
- Higher fire rating
- Facility to put utility authority seal
- External finish in colours as per standard chart below
- Additional internal door
- Other colours on special request

ACCESSORIES

- Mounting plate
- Gland plate
- Wall mounting brackets
- Ventilators
- Louvers with Filter
- etc....



ALL DIMENSIONS ARE IN MM

Scale-mm	Internal Size			Clear Access		Mounting Plate Size		Gland Plate Size		C-C Of Stud				
	SR NO.	H	W	D	Height	Width	Height	Width	Length	Width	F	E	C	L
	1	2000	1200	400	1900	1100	1800	1090	1000	300	x	1070	880	x
	2	1800	1200	400	1700	1100	1650	1090	1000	300	x	1070	810	x
	3	1600	1200	400	1500	1100	1400	1090	1000	300	x	1070	690	x
	4	1500	1200	400	1400	1100	1340	1090	1000	300	x	1070	650	x
	5	1400	1200	400	1300	1100	1220	1090	1000	300	x	1070	590	x
	6	1200	1200	400	1100	1100	1100	1090	1000	300	x	1070	530	x
	7	1200	1600	400	1100	1500	1090	1400	300	1300	1050	680	x	x
	8	2150	1350	600	2050	1250	2000	1220	1220	500	x	1180	980	x
	9	1800	1350	600	1700	1250	1650	1220	1220	500	x	1180	810	x
	10	1600	1350	600	1500	1250	1400	1220	1220	500	x	1180	680	x
	11	1400	1350	600	1300	1250	1220	1220	1220	500	x	1180	590	x
	12	1200	2000	400	1100	1900	1090	1800	1000	300	x	x	530	880
	13	1200	1800	400	1100	1700	1090	1600	1000	300	x	x	530	810



POLYESTER GRP BATTERY BOX

STANDARD FEATURES

- Ingress protection up to IP66
 - *Addition of ventilator may hamper ingress protection *
- High impact, corrosion & temperature resistant
- Removable top cover with handle
- Locking by stainless steel toggle latches
- Base additionally reinforced with encapsulated WBP plywood
- Wall thickness 4 mm generally & 6 mm at stress points
- Fire retardant, self extinguishing to BS 476: Part 7: 1997 Class 2
- External finish: Plain semi gloss light grey gelcoat finish to RAL 7035
- Long life & high temperature resistant EPDM/neoprene rubber door seal
- All hardware of stainless steel

OPTIONS

- GRP battery rack
- Higher wall thickness
- Hinge type removable cover
- Higher fire rating
- Anti-vandal construction with encapsulated WBP plywood
- Other colours on special request

ACCESSORIES

- Gland plate
- Ventilators*



GRP POLYSHADE FOR (SINGLE/DOUBLE) INSTRUMENT

STANDARD FEATURES

- Weatherproof & rigid construction, suitable for outdoor use
- High impact, corrosion & temperature resistant
- Suitable for pipe mounting
- Wall thickness 4 mm generally
- Non-absorbent to hydrocarbons
- Anti-static
- Good thermal insulation
- Fire retardant, self extinguishing to BS 476: Part 7: 1997 Class 2
- External finish: Plain semi gloss gelcoat finish, light grey RAL 7035/white RAL 9010

OPTIONS

- Higher/lower wall thickness
- Customizable fixing arrangement

ACCESSORIES

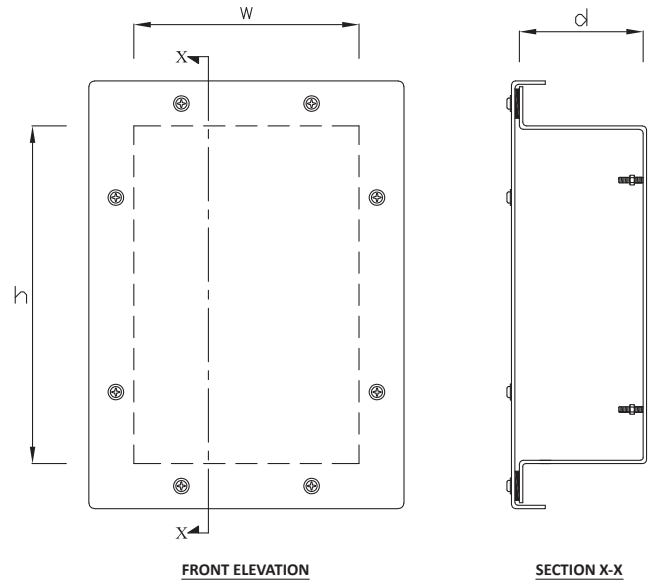
- SS 316 U-bolts/clamp set with back plate suitable for 2" NB pipe mounting



POLYESTER JUNCTION BOX BOLTED COVER

(STANDARD FEATURES)

- Ingress protection to IP66
- Weatherproof & rigid construction, suitable for outdoor use
- High impact, corrosion & temperature resistant
- Stainless steel hardware
- Studs on back wall or plywood embedding for mounting plate/rail fixing
- Wall thickness 3 mm generally & 5 mm at stress points
- Fire retardant, self extinguishing to BS 476: Part 7: 1997 Class 2
- External finish: Plain semi gloss light grey gelcoat finish to RAL 7035
- Long life & high temperature resistant EPDM rubber cover seal



OPTIONS

- Higher wall thickness
- Higher fire rating
- Other colours on special request

ACCESSORIES

- Mounting plate
- Gland plate
- Wall mounting brackets
- etc....



GRP FIRE & SAFETY CABINETS

GRP fire & safety cabinets are designed to house fire extinguishers, fire hose reels, foam hydrant, lifebuoy and other safety equipment in outdoor application. These cabinets are precisely suitable for industrial use in process plant, refinery, petrochemical plant and marine application. These cabinets are suitable for installation on flat concrete floor, however there is an option to mount on wall or frame. These cabinets are fitted with locking system which can be unlocked easily without any key or tool during an emergency. These cabinets are UV resistant, corrosion resistant, fire resistance and precisely suitable for outdoor use in harsh weather conditions of high humidity and temperature dominant in gulf region. These cabinets have design life in excess of 40 years.

STANDARD FEATURES

- Ingress protection to IP66, IP65, IP55 & lesser (Certified to BS EN 60529)
- Weatherproof and UV resistant (Certified to ASTM G154)
- Fire retardant & self-extinguishing (Certified to BS476 Part 7 Class 2)
- High impact resistant up to IK10 (Certified to BS EN 62262)
- Anti-static (Certified to IEC 60079-0)
- Standard external finish: Semi-gloss UV resistant red color gelcoat finish to RAL 3000
- High temperature resistant & long-life EPDM rubber gasket for door sealing
- Base additionally reinforced to bear high load
- All hardware of galvanized steel or corrosion resistant material

OPTIONS

- Ingress protection to NEMA 4X and lesser (Certified to NEMA250)
- Higher fire rating (Certified to BS476 Part 7 Class 1/UL94 V-0)
- Insulated construction sandwich with PU foam/Rockwool.
- Anti-vandal construction sandwich with WBP plywood.
- Additional Inner door
- Stainless steel hardware
- External colors in any other RAL color.

ACCESSORIES

- UV Resistant See-through Window
- Wall Mounting Brackets
- Plinth/Legs
- Vents



GRP KIOSKS INGRESS PROTECTION UP TO IP 55

STANDARD FEATURES

- Free standing, drop-over type, suitable for fixing on concrete foundation
- Modular design, panels are stiffened with encapsulated WBP plywood
- Access door in front
- Ingress protection to IP55
- Addition of ventilator may hamper ingress protection
- Wall thickness 6 mm generally & 9 mm at stress points
- Insulated construction with encapsulated PU foam
- Insulated construction with Marine Plywood
- Heavy duty stainless steel hinges
- Heavy duty handle type 3 point locking arrangement
- Fire retardant, self extinguishing to BS 476: Part 7: 1997 Class 2
- External finish: Plain semi gloss light grey gelcoat finish to RAL 7035
- Wind stay on each door
- Lifting hooks
- Interior lighting with door operated limit switch
- Provision to mount/fix- AC unit, anti-condensation heater, junction box, smoke detector, beacon, fire-extinguisher, fire alarm etc.
- All hardware of stainless steel

OPTIONS

- Single skin construction
- Anti-vandal construction with encapsulated
- WBP plywood
- Higher wall thickness
- Higher fire rating
- Access door for generator cable



GRP KIOSKS INGRESS PROTECTION UP TO IP 55

STANDARD FEATURES

- Free standing, rigid construction, drop-over type, suitable for fixing on concrete foundation
- High impact, corrosion & temperature resistant, suitable for outdoor use
- Modular design, panels are stiffened with GRP cross members
- Double leaf access door in front & back
- Heavy duty stainless steel hinges
- Wall thickness 6 mm generally & 9 mm at stress points
- Handle type locking arrangement Fire retardant, self extinguishing to BS 476: Part 7: 1997 Class 2
- External finish: Plain semi gloss light grey gelcoat finish to RAL 7035.
- Aluminium aldrop for padlocking & aluminium handle on door • Wind stay on each door
- Lifting hooks
- Natural ventilation by aluminium louvers with backup insect mesh
- All hardware of galvanized steel or non-corrosive material

OPTIONS

- Stainless steel hardware & accessories Higher wall thickness
- Higher fire rating
- Brackets for fixing kiosk from outside
- Ventilation system to customer's requirement & specification
- Access door for generator cable



CUSTOMIZED PRODUCTS

Capability to modify any product category in any color, shape or form with additional features; or design and manufacture new products from scratch. Dedicated design team equipped with 3D modeling and stress analysis tools works with our inhouse molding and metal fabrication department to manufacture client customizations.



MATERIAL DATA SHEET

Tensile Strength	85 N/mm ²	ISO 527-1:2019
Flexural Strength	130 N/mm ²	BS 2782-10:1977
Tensile Modulus	8 kN/mm ²	ISO 527-1:2019
Flexural Modulus	7 kN/mm ²	BS 2782-10:1977
Impact Strength	45 kJ/mm ²	ISO 180-1993
Hardness (Barcol)	40	ASTM D2583:1987
Tensile Elongation	1.8%	ISO 527:2019
Oxygen Index (approx.)	25%	ISO 4589:1996
Heat Transfer Coefficient	5.7 W/m ² K	
Thermal Expansion Coefficient	24 x 10 ⁻⁶ m/ °C	
Operating Temperature	-20 °C to +85 °C	
Exterior Finish	UV resistant, semi gloss gelcoat coloured finish	
Internal Finish	Reasonably smooth flowcoat coloured finish	



PREVIOUS PROJECTS

PROJECTS	CONSULTANTS	CONTRACTORS
AL BARARI VILLA DUBAI	PARSONS	SUPER SMART BUILD CONT.LLC
ZUHA RESIDANTAIL VILLAS		H&N INNOVATIVE SYSTEM CONT.LLC
MUDON CENTRAL PARK PHASE 3&4	PARSONS	ORIENT IRRIGATION
KHOR AL RAHA		GHANTOOT NATIONAL CONT.LLC
EMAAR SOUTH DEVELOPMENT PHASE 1&2 GREEN VIW		AL HAYAT ELECT SWITCHGEAR LLC
AL RIFFA BLOCK 26 PROJECT WORK (KALBA)		AL NUAIMI GROUP
QASR AL HOSN-FORT BALACE	1- AECOM 2- BDP 3- ARUP	1-WATES CONSTRUCTION.LLC 2-EASTERN INTERNATIONAL. LLC
ABB GHALA OMAN		
ABB FOR ADNOC ONSHORE PROJECT NO P24027		
ABB TSR PROJECT FOR ADNOC		
OTG STATION AL AIN ADNOC		GULF ASIA GENERAL CONTRACTING
SHAMAL DEVELOPMENT (AD PORTS GROUP)		CHINA HARBOUR ENGENDERING CO. LLC
NORTH ISLAND REVITALIZATION PHASE 1 ABU DHABI	PARSONS	EDEN GARDENS LLC

DISCOVER OUR WORLD OF GRP EXCELLENCE



الاول لصناعة الالياف الزجاجية ذ.م.م.
ALAWAL FIBER GLASS INDUSTRY L.L.C.

📍 Al Jurf, Ajman, United Arab Emirates

✉ george@al-awal.ae ☎ 06 745 5651 🌐 www.al-awal.ae

