

## Square Compact GRP Cabinet

**Dimensions:** 1290 × 1250 × 500 mm

**Description:** A robust, mid-size GRP cabinet combining a compact footprint with ample internal capacity for small to medium-sized utility systems.

The F3 Square Compact GRP Cabinet offers the perfect combination of internal volume and manageable footprint. Its near-square 1290 × 1250 mm profile and 500 mm depth allow for easy installation in a wide range of environments, from agricultural sites to roadside infrastructure.

Built for longevity, the F3 uses 300gsm GRP fibreglass mat reinforced with 450gsm and 600gsm CSM layers in structural sections for extra strength. The base is formed from 12mm CE-marked ALPHAPLY plywood, providing a rigid, load-bearing platform for heavy components.

Security and weather protection come as standard. The F3 is fitted with a high-security Yale nightlatch, a 10mm zinc-plated spring bolt, and marine-grade stainless steel hinges. The exterior is finished in BS226 green Crystic® gelcoat, and all openings are sealed with Scapa foam tape to keep the interior clean, dry, and dust-free.

With its capacity and durability, the F3 is a trusted choice for control systems, telemetry housings, power distribution points, and EV charger sub-assemblies, meeting the needs of both commercial and public-sector projects.



## Specifications

- 300gsm Chopped Strand Mat – M705
- 450gsm Chopped Strand Mat – M705
- 600gsm Chopped Strand Mat – M705
- Plywood Panel – 12mm External Grade
- Plywood Panel – 3mm External Grade
- Polyester Gelcoat – SB 2161 Green (BS226)
- CrysticROOF Resin – GRP lamination matrix
- Scapa 3259 Black Single-Sided Foam Tape – 3mm
- Yale 77 Traditional Nightlatch
- 10mm Spring Bolt – Zinc Plated Steel
- ZOO ZHSS232 Stainless Steel Hinges

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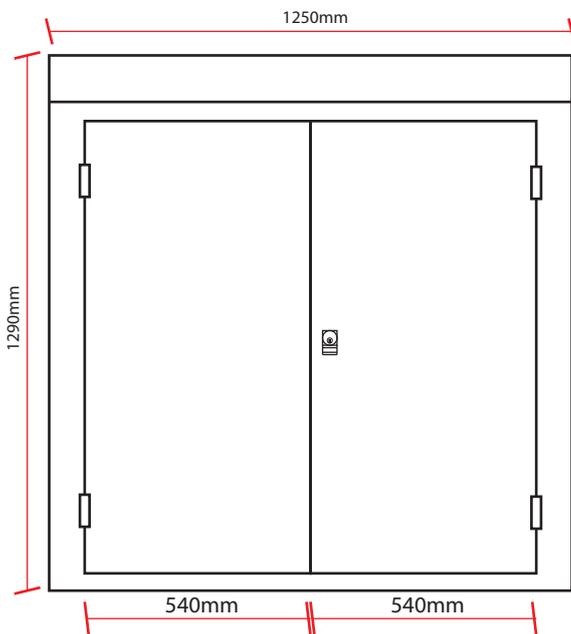
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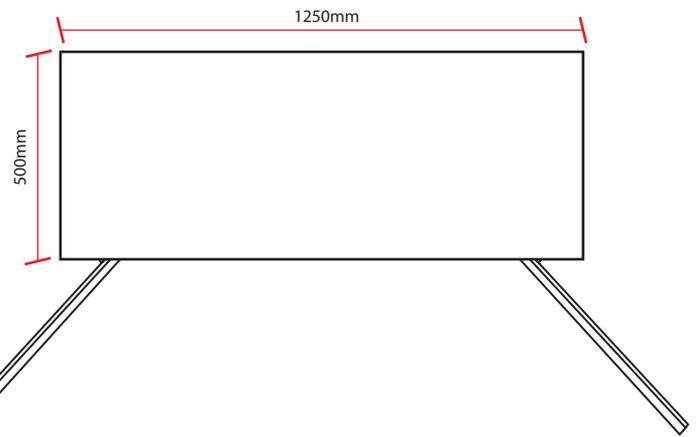
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## Specifications

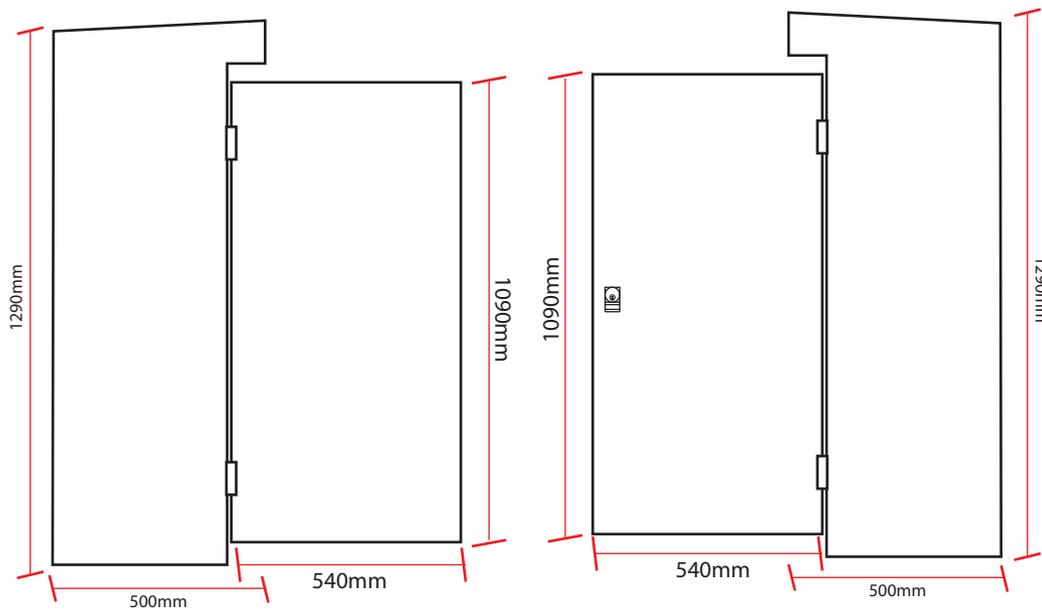
### Front View



### Top View



### Side View



## Specifications

### 12mm Chinese Eucalyptus Face Poplar Core External Grade Plywood

A lightweight plywood sheet featuring a eucalyptus face veneer and poplar core designed for internal lining applications in GRP kiosks. It offers a smooth, paintable finish and is suitable for use in humid interior or covered exterior environments.

#### Specification:

- Size: 2440 × 1220 mm
- Thickness: 12 mm
- Weight: 19.69 kg
- Grade: B/BB
- Standard: CE2+
- Class: BS-EN636 Class 2 (humid interior/covered exterior)
- Number of Layers: 7
- Finish: Smooth sanded veneer, light reddish colour
- Edging: Square
- Fire Rating: None
- Formaldehyde Level: E1 (low)
- Moisture Resistance: No
- Wood Species: Poplar core
- Country of Origin: China
- Environmental Certification: Legally sourced

#### Key Benefits:

- Strong and durable for load-bearing applications
- Certified for structural use in humid and covered environments
- Smooth, paintable surface for easy finishing
- Low formaldehyde emissions for improved indoor air quality
- Produced from legally sourced timber

### Polyester Gelcoat – SB 2161 Green (BS226)

Crystic® Gelcoat GT-600 is a high-performance isophthalic polyester gelcoat pre-accelerated and formulated for brush application.

It delivers a durable BS226 green finish with excellent intrinsic water and weather resistance making it ideal for outdoor GRP kiosk use. Its viscosity ensures even coverage low drainage and minimal film porosity, maintaining both protection and aesthetics over time.

#### Specification:

- Type: Isophthalic polyester gelcoat
- Colour: BS226 Green
- Application Method: Brush
- Coverage: Even film with minimal porosity
- Industry Approvals: Lloyd's Register of Shipping
- Typical Use: Marine, building, transport, and general GRP moulding
- Packaging: 1 kg, 3 kg, 5 kg, 20 kg
- Storage: Under 25°C, airtight, out of sunlight
- Shelf Life: 5 months from production

#### Key Benefits:

- Excellent water and weather resistance for long-term outdoor use
- High-quality decorative finish in BS226 green
- Approved for marine-grade applications
- Easy application with controlled viscosity
- Custom colour matching available via GelTint technology

## Specifications

### CrysticROOF Resin

CrysticROOF Resin is a low styrene emission, pre-accelerated orthophthalic polyester resin designed for hand lamination with chopped strand mat in GRP construction. It offers rapid wet-out, strong mechanical performance, and reliable curing making it an ideal bonding matrix for kiosk fibreglass structures.

#### Specification:

- Resin Type: Orthophthalic polyester
- Appearance: Greenish blue
- Viscosity at 25°C: Thixotropic
- Specific Gravity: 1.12
- Volatile Content: 43%
- Catalyst: Catalyst M (Butanox M50) – 1% standard addition
- Pot Life at 25°C: 17 minutes
- Storage Stability: 5 months at 20°C in sealed containers
- Packaging: 20 kg and 225 kg containers

#### Mechanical Properties – Fully Cured (Unfilled Casting):

- Barcol Hardness: 42
- Deflection Temperature (1.80 MPa): 67°C
- Water Absorption (24h, 23°C): 15 mg
- Tensile Strength: 50 MPa
- Tensile Modulus: 3800 MPa
- Elongation at Break: 1.5%

#### Mechanical Properties – 450g/m<sup>2</sup> CSM Laminate:

- Tensile Strength: 98 MPa
- Tensile Modulus: 7600 MPa
- Flexural Strength: 190 MPa
- Flexural Modulus: 7400 MPa
- Elongation at Break: 1.7%

#### Key Benefits:

- Low styrene emission for improved workplace safety
- Fast wet-out and strong adhesion with glass fibre reinforcement
- Reliable cure even at cooler ambient temperatures with adjusted catalyst levels
- Excellent mechanical strength in laminates
- Suitable for outdoor, structural kiosk applications

## Specifications

### Scapa 3259 Black Single-Sided Foam Tape – 3mm

Scapa 3259 is a medium hardness, closed-cell foam compression sealant with an acrylic pressure-sensitive adhesive on one side and a paper release liner on the other. Designed for sealing, cushioning, and gap filling, it provides effective water, air, and dust protection when compressed making it ideal for use on GRP kiosk doors and access panels.

#### Specification:

- Type: Closed-cell foam compression sealant
- Colour: Black
- Thickness: 3 mm
- Adhesive: High-quality acrylic pressure-sensitive (one side)
- Liner: White paper release liner (non-adhesive side)
- Service Temperature: -30°C to +70°C
- Application Temperature: +10°C to +40°C
- Compression Requirement: Minimum 30% for water seal
- Shelf Life: 1 year from dispatch

#### Key Benefits:

- Provides water, air, and dust sealing when compressed
- Medium hardness foam with properties similar to Neoprene
- Excellent resistance to abrasion, corrosion, UV light, dilute acids, and alkalis
- Clean edge finish for neat application
- Suitable for both indoor and outdoor environments
- Reduces rattling and vibration, improving insulation performance

### ZOO ZHSS232 Stainless Steel Door Hinge

The ZOO ZHSS232 is a premium stainless steel hinge designed for long-lasting performance in GRP kiosk applications. Made from Grade 201 stainless steel, it offers corrosion resistance and smooth door operation. Available in a wide range of finishes to complement different kiosk designs.

#### Specification:

- Dimensions: 76 × 50 × 2 mm
- Material: Grade 201 stainless steel
- Corner Type: Square
- Available Finishes:
  - Satin Stainless (ZHSS232S)
  - Polished Stainless (ZHSS232P)
  - Matt Black (ZHSS232-MB)
  - Powder Coat White (ZHSS232-PCW)
  - PVD Satin Brass (ZHSS232-PVDSB)
  - PVD Polished Brass (ZHSS232PVD)
  - PVD Bronze (ZHSS232-PVDBZ)
  - Tuscan Rose Gold (ZHSS232-TRG)
  - Favo Satin Brass (ZHSS232-FSB)
  - Etna Bronze (ZHSS232-ETB)

#### Key Benefits:

- Corrosion-resistant Grade 201 stainless steel construction
- Smooth hinge operation for easy door use
- Multiple finishes for aesthetic flexibility
- Strong and durable for long-term service
- Designed to fit GRP kiosk doors securely and reliably

## Specifications

### 10mm Spring Bolt – Steel, Zinc Plated

The 10mm spring-loaded bolt, also known as a shoot bolt or truck brake bolt, is a robust mechanical fastener designed for secure and reliable locking. Its built-in spring mechanism ensures smooth and quick engagement or release with a simple 90-degree turn. The bright zinc plated finish offers corrosion resistance, making it suitable for both indoor and outdoor GRP kiosk applications.

#### Specification:

- Bolt Diameter: 10 mm
- Material: High-quality steel
- Finish: Bright Zinc Plated (BZP) for corrosion resistance
- Locking Function: 90-degree locking position with stay-open notch
- Mounting Plate: Pre-drilled 6.5 mm holes (for M6 bolts or 1/4" fasteners)
- Mechanism: Spring-loaded for smooth operation
- Weight: 0.20 kg

#### Key Benefits:

- Provides strong additional locking for kiosk doors or compartments
- Quick-release operation with smooth spring retraction
- Stay-open notch prevents accidental engagement
- Heavy-duty design suitable for repeated use
- Corrosion-resistant finish for outdoor environments

## Specifications

### 300gsm Chopped Strand Mat – M705

A medium fibre, multi-chop length mat bonded with an emulsion binder for hand lay-up GRP applications. Designed for optimal conformability and resin compatibility, it ensures strong, uniform lamination in GRP kiosk manufacturing. The Advantex® glass composition offers enhanced corrosion resistance and improved long-term durability compared to standard E-glass.

**Specification:**

- Nominal Weight: 300 g/m<sup>2</sup>
- Binder Type: Emulsion
- Glass Type: Advantex® glass
- Compatible Resins: Unsaturated polyester
- Roll Widths Available: 95 cm, 104 cm, 125 cm
- Certifications: Lloyd’s Register of Shipping, Det Norske Veritas
- Storage: 10–35°C, RH 35–85%, in original packaging
- Shelf Life: No known expiry; retest after 3 years for optimum performance

**Key Benefits:**

- Quick wetting and rapid air release, improving production efficiency
- Slower impregnation rate reduces resin use, increasing glass content and strength
- High conformability, suitable for complex mould shapes
- Certified for marine and industrial-grade use
- Superior corrosion resistance, extending kiosk life span

### 450gsm Chopped Strand Mat – M705

A high-weight fibreglass mat made from Advantex® glass fibres, chopped to multiple lengths and bonded with an emulsion binder. Designed for structural reinforcement, it offers superior handling properties, excellent corrosion resistance, and the strength required for large or load-bearing GRP kiosk panels.

**Specification:**

- Nominal Weight: 450 g/m<sup>2</sup>
- Binder Type: Emulsion
- Glass Type: Advantex® glass
- Compatible Resins: Unsaturated polyester
- Roll Widths: 95 cm, 104 cm, 125 cm
- Certifications: Lloyd’s Register of Shipping, Det Norske Veritas
- Storage: 10–35°C, RH 35–85%, in original packaging
- Shelf Life: No fixed expiry; retest after 3 years for optimum performance

**Key Benefits:**

- Increased structural strength for heavy-duty GRP applications
- Slower impregnation rate reduces resin use and increases glass content
- High conformability for moulding complex kiosk designs
- Superior corrosion resistance, extending service life
- Certified for marine and industrial-grade installations
- Consistent quality and performance under varying conditions

## Specifications

### 3.6mm Chinese Eucalyptus Face Poplar Core External Grade Plywood

A lightweight plywood sheet featuring a eucalyptus face veneer and poplar core, designed for internal lining applications in GRP kiosks. It offers a smooth, paintable finish and is suitable for use in humid interior or covered exterior environments.

#### Specification:

- Size: 2440 × 1220 mm
- Thickness: 3.6 mm
- Weight: 6.6 kg
- Grade: B/BB
- Standard: CE4
- Class: BS-EN636 Class 2 (humid interior/covered exterior)
- Number of Layers: 3
- Finish: Smooth sanded veneer, light reddish colour
- Edging: Square
- Fire Rating: None
- Formaldehyde Level: E1 (low)
- Moisture Resistance: No
- Wood Species: Poplar core
- Country of Origin: China
- Environmental Certification: Legally sourced

#### Key Benefits:

- Lightweight and easy to handle
- Smooth paintable surface
- Certified for structural use in humid and covered environments
- Low formaldehyde emissions for improved indoor air quality
- Produced from legally sourced timber

### Yale 77 Traditional Nightlatch

The Yale No. 77 Traditional Nightlatch is a reliable and secure locking system for GRP kiosk doors. The latchbolt can be withdrawn from the inside using a knob or from the outside using a key. It features a slide button for deadlocking or holding back the bolt from the inside it can also be easily reversed on-site for outward-opening doors.

#### Specification:

- Mechanism: 5-pin cylinder
- Cylinder Finish: Polished brass or satin chrome
- Case Finish: Green
- Keys Supplied: 2 per lock
- Door Thickness Range: 32 mm – 57 mm
- Guarantee: 2 years
- Keying Options:
  - Individually keyed (standard) – each lock has its own keys
  - Keyed alike – all locks use the same key

#### Key Benefits:

- Provides reliable security for kiosk access points
- Deadlock function for added protection
- Reversible latchbolt for flexible door installation
- Durable materials suitable for long-term use
- Supplied with two keys as standard