YY DESIGN 原藝設計

EST. 2013
Hong Kong · Shenzhen

PRODUCT & COMPLIANCE BROCHURE · 2026

Landscape products engineered to Gulf standards

Pergolas and tensile shade · FR membrane · contract furniture · paving and hardscape · landscape lighting · GRC planters

MARKETS
UAE · Saudi Arabia · Qatar · Oman · Kuwait

DESIGN & DELIVERY
Shenzhen · Hong Kong

CONTRACTING ENTITY
YY Design Group (HK) Co. Ltd.

ENQUIRIES
info@y-ydesign.com

Design to international standards, deliver with engineering rigor.

01

WHO WE ARE

A design practice that also delivers the product

YY DESIGN is a landscape design practice working between Hong Kong and Shenzhen. We design public realm, hospitality and residential landscapes, and we manufacture and deliver the hard components those designs depend on — to the standards the destination authority actually enforces.

Because drawings, BIM models and specifications are produced in-house, the product is engineered to the drawing rather than reverse-fitted from a catalogue. Design, engineering and delivery sit with one team, so there is no interface for the Client to manage between designer, supplier and installer.

Every item in this brochure is offered with the test evidence and conformity documents that the local authority, the Civil Defence and the customs regime in each Gulf market will ask for. We treat that documentation as part of the product, not as an administrative afterthought.

> *Rooted in Hong Kong and serving clients worldwide, YY DESIGN delivers international design practice and engineering-led customization for overseas contractors, design firms, owners and developers.*

2006
Practice origins

2013
Group entity established in Hong Kong

39+
Delivered landscape projects, four sectors

LOD 350
BIM coordination on every bespoke package

SERVICES

Design
Concept to construction documentation by an in-house landscape practice, with planting, materials and detailing resolved before procurement.

Engineering
Structural and connection design for shade and hardscape, BIM coordination at LOD 350, and shop drawings issued for approval.

Prefabrication
DfMA modules built and dimensionally checked in the factory, packed for container shipment, and assembled on site with dry trades.

Supply & Delivery
Single contract covering product, freight and DDP delivery to site, with customs and conformity documentation in the same package.

Installation Support
Method statements, lifting plans and site supervision for modular assembly, typically 48 hours per module once the base is ready.

Compliance & Submittals
Test evidence, conformity registration and clause-by-clause submittal packs, issued with the product rather than afterwards.

DESIGN AND COORDINATION STANDARDS

ASLA · BIM LOD 350 · ISO 19650 · FSC · ASTM E84 Class A

02

PRODUCT LINES

Six lines, one engineering language

Each line is supplied as a designed package: geometry, connections, finishes and the test evidence for the market it is going to. Codes shown are the ones a submittal is judged against in the Gulf.

01



Pergolas, Canopies & Tensile Shade

Structural shade engineered to wind, not to a catalogue

EN 1991-1-4 canopy net pressures
EN 1090-2 execution class 2
ISO 1461 galvanising

02



FR Membrane & Shade Fabric

Fire performance proven on the fabric actually supplied

EN 13501-1 class B
NFPA 701 large scale
DIN 4102 B1

03



Contract Outdoor Furniture

Specified for public realm use and Civil Defence review

EN 581-1/-2/-3 for contract use
BS 5852 crib 5 on upholstery
EN 1021-1/-2

04



Paving, Hardscape & Slip Resistance

Declared slip performance measured after installation

EN 1338 compressive and abrasion limits
EN 14231 wet slip resistance (PTV 45 or above)
DIN 51130 R rating on ramps

05



Amenity & Landscape Lighting

Registered for the destination market before shipment

IEC 60598-1
IEC 60529 IP65 or better
IEC 62262 IK rating

06



GRC / GRP Planters & Water Features

Drainage and waterproofing detailed as part of the product

EN 206 concrete
EN 13121 for GRP where applicable
IEC 60529 IP68 for submersible luminaires

What is different about buying from a design practice

We can change a detail when the site, the slab or the authority requires it, and re-issue the drawing and the calculation in the same week. A trading company can only offer what is on the container.

WHERE THE LINES ARE USED

SECTOR	PACKAGE THAT TYPICALLY APPLIES
Hospitality & resort	Pool-deck shade, loungers and dining sets, terrace paving, planting features and garden lighting
Residential & community	Courtyard pergolas, amenity furniture, children's play shading, roof-terrace planters
Public realm & municipal	Promenade paving, street furniture, bollard and uplighting, plaza planters
Mixed-use & retail	Entrance canopies, wayfinding lighting, planting and seating islands

Specification and evidence

Pergolas, Canopies & Tensile Shade

Structural shade engineered to wind, not to a catalogue

- Hot-dip galvanised steel S275/S355 or 6061-T6 aluminium
- Qualicoat class 2 / AAMA 2604 powder coat, 60–80 µm
- PVDF or PTFE tensile membrane, welded seams and rain gutters
- 316 stainless fixings; anchor and base plate designed with the slab

EN 1991-1-4 canopy net pressures | EN 1090-2 execution class 2 | ISO 1461 galvanising

Why it matters at submittal · Uplift at the anchor and base plate governs the design, not the steel section. We design the fixing and slab interface before the frame.

Supplied as · Shop drawings, uplift calculation, prefabricated frame kit, membrane, fixings and an installation method statement.

Typical use · Hotel pool decks · residential courtyards · public parks · F&B terraces

Common failure mode: anchor and base-plate uplift, not the steel section.

FR Membrane & Shade Fabric

Fire performance proven on the fabric actually supplied

- PVC-coated polyester 650–1100 g/m², PVDF top coat
- Micro-perforated and open-mesh options for air movement
- High-frequency welded seams, tensioned to EN 13782 practice
- Batch-matched fire certificate issued against the delivered roll

EN 13501-1 class B | NFPA 701 large scale | DIN 4102 B1

Why it matters at submittal · A generic mill certificate fails at submittal. The certificate must name the supplied fabric and still be in date.

Supplied as · Panel cutting list, seam layout, batch-matched fire certificate and spare repair material.

Typical use · Shade sails · walkway canopies · playground shading · hospitality terraces

Common failure mode: certificate not specific to the supplied fabric, or expired.

Contract Outdoor Furniture

Specified for public realm use and Civil Defence review

- Powder-coated aluminium and stainless frames
- FSC-certified teak or thermally modified ash; HPL and compact tops
- Quick-dry outdoor foam, removable and replaceable covers
- Modular seating, sun loungers, dining and planter benches

EN 581-1/-2/-3 for contract use | BS 5852 crib 5 on upholstery | EN 1021-1/-2

Why it matters at submittal · Upholstery ignition is what the authority asks for. EN 581 durability alone will not clear a Civil Defence submission.

Supplied as · Finish and fabric schedule, ignition test reports, care and maintenance manual, container loading plan.

Typical use · Poolside and beach club · hotel gardens · residential amenity decks · parks

Common failure mode: upholstery ignition certificate missing at DCD/Civil Defence submittal.

Specification and evidence

Paving, Hardscape & Slip Resistance

Declared slip performance measured after installation

- Concrete block pavers ≥50 MPa mean, water absorption ≤6.5%
- Granite, basalt and sandstone in sandblasted or bush-hammered finish
- Pedestal and drainage detailing for roof terraces
- Sealed and tested on site, not only in the factory

EN 1338 compressive and abrasion limits | EN 14231 wet slip resistance (PTV 45 or above) | DIN 51130 R rating on ramps

Why it matters at submittal · Wet slip resistance drops once the surface is installed and sealed. We declare the installed value and test it.

Supplied as · Laying pattern, setting-out drawings, tested samples, on-site slip test record at handover.

Typical use · Plazas and promenades · roof terraces · pool surrounds · stepped landscapes

Common failure mode: wet slip resistance below the declared value once installed and sealed.

Amenity & Landscape Lighting

Registered for the destination market before shipment

- Die-cast aluminium bodies, IP65 to IP68, IK08 to IK10
- 2700–4000 K, DALI / DMX dimming, dark-sky optics
- Bollards, uplights, step and water-feature luminaires
- Driver compartment accessible without removing the fitting

IEC 60598-1 | IEC 60529 IP65 or better | IEC 62262 IK rating

Why it matters at submittal · Customs release fails without product conformity registration in the destination market. Registration is part of the programme, not an afterthought.

Supplied as · Photometric files, lighting calculation, conformity registration documents, commissioning schedule.

Typical use · Garden and path lighting · facade and tree uplighting · water features

Common failure mode: no product conformity registration in the destination market at customs.

GRC / GRP Planters & Water Features

Drainage and waterproofing detailed as part of the product

- GRC and GRP shells with integral waterproofing
- Sub-surface drainage, overflow and make-up water connections
- IP68 submersible luminaires and pump access
- Modular sizes for roof load limits and crane access

EN 206 concrete | EN 13121 for GRP where applicable | IEC 60529 IP68 for submersible luminaires

Why it matters at submittal · Efflorescence and drainage fail the mock-up, not the shell. The detail is the product.

Supplied as · Shop drawings with drainage and waterproofing details, lifting plan, curing and sealing instructions.

Typical use · Lobby and courtyard planters · roof gardens · water features · streetscape

Common failure mode: efflorescence, drainage and waterproofing detail, not the shell.

05 COMPLIANCE

Approval route by market

The same pergola is a different submission in Dubai and in Riyadh. This is the route we plan the documentation around, before the first shop drawing is issued.

MARKET	APPROVAL AND ENFORCEMENT ROUTE	GOVERNING CODES	ANCHOR
UAE الإمارات	the emirate's municipal building permit (Dubai Building Code 2021 and Dubai Municipality for Dubai projects) and — for anything with fabric or upholstery — a Civil Defence flame-retardant certificate	Dubai Building Code 2021; Administrative Resolution No. (37) of 2021 (adopted structural codes); UAE Fire & Life Safety Code of Practice 2018; Al Sa'fat (Dubai Green Building System); Estidama Pearl Rating System (Abu Dhabi)	**DBC 2021 / EN 1090-2**
Saudi Arabia السعودية	SASO conformity through SABER (product and shipment certificates) plus Civil Defence acceptance	SBC 201 — Saudi Building Code (building); SBC 301 — Structural: loads and forces; SBC 801 — Fire protection; SASO technical regulations + SABER conformity (PCoC / SCoC)	**SBC 301 / SASO-SABER**
Qatar قطر	QCS 2014 material approval and Civil Defence acceptance	Qatar Construction Specifications (QCS 2014); GSO technical regulations	**QCS 2014**
Oman عُمان	MoCIIP conformity and the municipal building permit	Oman Building Code; MoCIIP conformity certification	**OBC / MoCIIP**
Kuwait الكويت	the PAHW approved-materials list and KUCAS technical conformity	Kuwait Building Code; KUCAS technical conformity scheme	**PAHW spec / KUCAS**

COMMON TO ALL FIVE MARKETS

Fire before finish

Fabric and upholstery certificates are reviewed before any colour or texture is approved.

Installed performance

Slip resistance and lighting levels are measured on the finished surface, not on the sample board.

Registration at customs

Lighting and electrical items carry the destination conformity registration, or they do not ship.

Fixed vs. project-specific

National codes and conformity schemes are fixed. The project specification — the ER, the particular specification, the consultant's amendment — decides which clauses apply and at what class. We read the specification first and lock the test list with the consultant before pricing, so the certificate set matches what will be reviewed.

Where packages usually stall

Fire certificates naming a different fabric; slip resistance declared from a factory sample rather than the installed surface; luminaires without destination-market registration; and shade structures submitted without uplift calculations. All four are documentation failures, and all four are avoidable at design stage.

Where a national scheme is silent, the GSO technical regulation applies across the GCC. Both are checked, and the answer is written into the submittal index.

06

DOCUMENTATION

What arrives with the product

A submittal is judged on paper before anything is judged on site. The pack below is issued per package, indexed to the specification clause it answers.

STRUCTURAL

- Wind uplift calculation to EN 1991-1-4 cl. 7.3, canopy net pressures
- Connection and base plate design, stamped by a licensed engineer
- Execution class declaration to EN 1090-2 (EXC2 / EXC3)

MATERIALS

- Mill certificates and heat numbers for steel sections
- Hot-dip galvanising to ISO 1461 with coating thickness records
- Powder coat Qualicoat / AAMA 2604 certificates and colour panels

FIRE

- EN 13501-1 class B-s1,d0 or DIN 4102 B1 on membrane and fabric
- NFPA 701 large scale where the specification calls for it
- BS 5852 crib 5 and EN 1021-1/-2 on upholstered furniture

PERFORMANCE

- EN 1338 compressive and abrasion results, EN 14231 wet PTV ≥45
- DIN 51130 R rating on ramps and stepped areas
- IEC 60598, IEC 60529 IP and IEC 62262 IK reports for luminaires

CONFORMITY

- SASO product and shipment certificates through SABER (Saudi Arabia)
- ECAS registration with MoIAT / ESMA (UAE), KUCAS (Kuwait)
- MoCIIP conformity (Oman), QCS 2014 material approval (Qatar)

FROM SURVEY TO HANDOVER

01
Site Assessment
On-site survey and needs definition, producing a site-conditions matrix and customization boundaries to lock design inputs.

02
BIM Coordination
LOD 350 model development with multi-disciplinary clash detection and quantity take-offs — the scheme is rehearsed before it reaches drawings.

03
Factory Prefabrication & QC
Components prefabricated and inspected at the factory with millimetre-level dimensional control, avoiding rework on site.

04
Logistics & Customs
Containerized packing plans and destination-port customs coordination, with every component traceable in transit.

05
On-site Assembly
Modular lifting and rapid assembly — a single module is placed within 48 hours, with O&M support starting in parallel.

THREE INSPECTION GATES

GATE 01
Factory dimensional check
Every module measured against the BIM model before packing; deviation report issued with the shipping documents.

GATE 02
Pre-shipment inspection
Finish, hardware and label check against the approved sample, photographed and recorded by module number.

GATE 03
Handover record
Installed slip resistance, lux levels and torque checks recorded on site and issued as the handover dossier.

Typical programme

Design and engineering 2–4 weeks · factory prefabrication 6–8 weeks · sea freight 18–28 days dependent on port · on-site assembly 48 hours per module once the base and permits are ready. Durations are programme inputs, not commitments; they are fixed against a signed scope.

NEXT STEP

Send us the specification, not a request for a catalogue

Send the relevant specification clauses, the drawings or the BOQ line items for the package. We will reply with a compliance note: which clauses we meet, which need a project-specific test, and what the submittal pack will contain — before any price is discussed.

6	5	39+	2–4 wk
product lines	GCC markets	projects delivered	design to shop drawing

EMAIL
info@y-ydesign.com

TELEPHONE
+86 755 8891 7193 ext. 810

WEB
www.y-ydesign.com

Scan to enquire
Point a phone at the code — the assistant answers product, standard and lead-time questions in seconds, and routes you to a named contact.

Hong Kong
Group headquarters / contracting entity for overseas projects
Flat B27, Shing Lee Commercial Building, 8 Wing Kut Street, Central, Hong Kong

Shenzhen
Design and delivery centre / mainland entity
28F, Room C&D, Tower C, NEO Building, 6011 Shennan Boulevard, Futian District, Shenzhen, China

WHAT TO INCLUDE

- Specification clauses, or the relevant ER extracts
- Drawings, or the BOQ line items for the package
- Destination port and required on-site date
- Any consultant-approved material references

WHAT HAPPENS AFTER YOU SEND IT

01 **Compliance note**
Clause by clause: met, needs a project-specific test, or not applicable — returned within three working days.

02 **Samples and mock-up**
Finish and fabric samples, and a mock-up panel where the specification requires one before approval.

03 **Priced package**
FOB, CIF and DDP options against an agreed test list, so there is no re-pricing after award.

YY DESIGN

原藝設計

MARKETS

United Arab Emirates
Saudi Arabia
Qatar
Oman
Kuwait

OFFICES

Hong Kong — contracting entity
Shenzhen — design and delivery

Design to international standards, deliver with engineering rigor.

FROM LIFE · ARTISTIC CREATION · INNOVATION · INTEGRITY & PRAGMATIC

YY Design Group (HK) Co. Ltd. · 香港原藝設計集團有限公司
Contracting entity for overseas projects. Manufacturing and design delivery in Shenzhen. Standards quoted in this brochure are the basis of our test and submittal programme; the project specification always takes precedence and is confirmed in writing before order.