
BarteltGLASBerlin
Access a New Level of
Digital Architectural Glass
POWERED BY
dip TECH
TECHNOLOGY

Design Freedom and Functionality Control

The latest innovations in glass printing technology open new opportunities to combine boundless creativity with highly controlled functionality. Full expression of vision and outstanding budget-smart performance delivery are now possible with digital ceramic in-glass printing.

- **Easy implementation**
  Of any pattern or design, with unlimited colors, and high resolution for fine details.
- **Durability and accuracy**
  Inks are fused into the glass, providing unmatched resistance to scratching, acid, UV light and weather. Precise micro-drop printing allows accurate photorealistic and graphic designs.
- **A new medium for expression**
  The ability to combine transparent, translucent and opaque details in any way, full freedom in colors and shades, and the possibility to create double-vision designs for different front and back experiences, are moving glass printing into the realm of tools for design.

Outstanding Functional Performance

Dip-Tech's solution for digital ceramic in-glass printing meets complex functional performance requirements. It enables control of all special elements of architectural and designed glass:

- **Translucency/opacity**
- **Light diffusion and transmission**
- **Energy efficiency**
- **Privacy levels**
- **Slip resistance**
- **Anti-bird collision**

A New Era
In Digital Ceramic In-Glass Printing

Sustainable Architecture

Dip-Tech's printed glass meets environmentally responsible architecture goals:

- The glass is recyclable and offers eco-friendly functionality.
- Using this technology can assist with LEED and other environmental certification.
- The printed glass contains no toxic heavy metals.
- It is an excellent building material for preventing bird collision.
- Printing a new design on glass panels is well-suited to urban renewal projects where redesigning only parts of buildings is preferable to demolition and rebuilding.
- Over time, if elements need to be replaced or added, individual glass panels can be printed and perfectly matched to the existing panels, eliminating the cost and waste of more extensive refurbishment.

Budget-Smart Design

From the initial design stage, through the value engineering process, Dip-Tech assists architects, designers and consultants with calculating the long-term savings enabled by digital ceramic printed glass. If needed, Dip-Tech helps evaluate alternative ways of using digital in-glass printing, so that printed glass elements can be kept in a project, even as budgets change over time.

GUSTO GELATO

Architect
Iredale Pederson Hook

Location
Perth, WA, Australia

Printed By
Cooling Brothers

Photographer
Cooling Brothers Glass Company and Robert Frith

SPECIFICATIONS

Printed Area
185 sqm / 1991 sqf

Number of Panels
130

Colors
Grey scale raster imagery
White ink for vector graphic

Glass Type
13.52 Clear Low E with vanceva interlayers and ceramic frit


USTO GELATO
GUSTO GELATO
HANDCRAFTED
HAPPINESS
finest ingredients

MORAINE VALLEY COMMUNITY COLLEGE

Architect
Demonica Kemper

Location
Palos Hills, IL, USA

Printed By
Goldray

SPECIFICATIONS

Number of Panels
55

Glass Type
6mm clear

KUOPIO UNIVERSITY HOSPITAL

Architect
Partanen & Lamusuo

Location
Kuopio, Finland

Printed By
Rakla Tampere Oy

SPECIFICATIONS

Printed Area
1,500 sqm / 16,146 sqf

Number of Panels
476

Colors
Digital mix

Glass Type
6+6 mm clear glass

WINNIPEG WOMEN & NEWBORN HOSPITAL

Architect
Parkin Architects and Architecture49

Location
Winnipeg, MB, Canada

Printed By
Goldray

SPECIFICATIONS

Number of Panels
Approx. 1100

Glass Type
¼" clear tempered glass
¼" Solar Ban 70XL Low-E glass
Dual Vision
IGU's with Solar Ban 70XL Low-E


ELGIN
SHERBROOK
STOP

EDUCATION PARK EZINGE

Architect
Atelier Pro

Location
Meppel, the Netherlands

Printed By
Thiele Glas

Architect: Building
Atelier PRO architekten,
The Hague

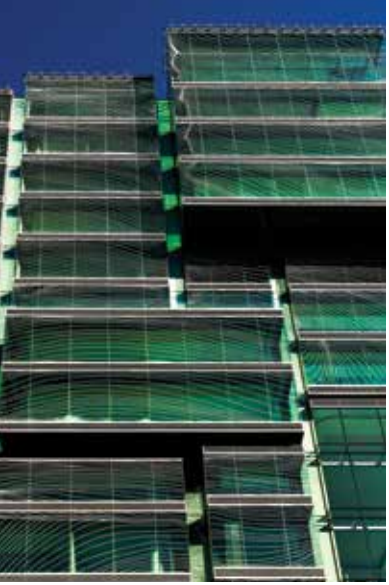
Art facade
Driessen, Van Deijne,
Amsterdam

Photographer
Si-X & Bert Kiers,
Jean Paul Mioulet

SPECIFICATIONS

Printed Area
560 sqm / 6027 sqf

Glass Type
TG-PRINTdigital (Pos. 2) on
TG-PROTECT®-TVG /
TG-EMAILLE8mm Toughened
Safety Glass



90 GRAYSTON DRIVE SANDTON

Architect
GLH Architects

Location
Gauteng, South Africa

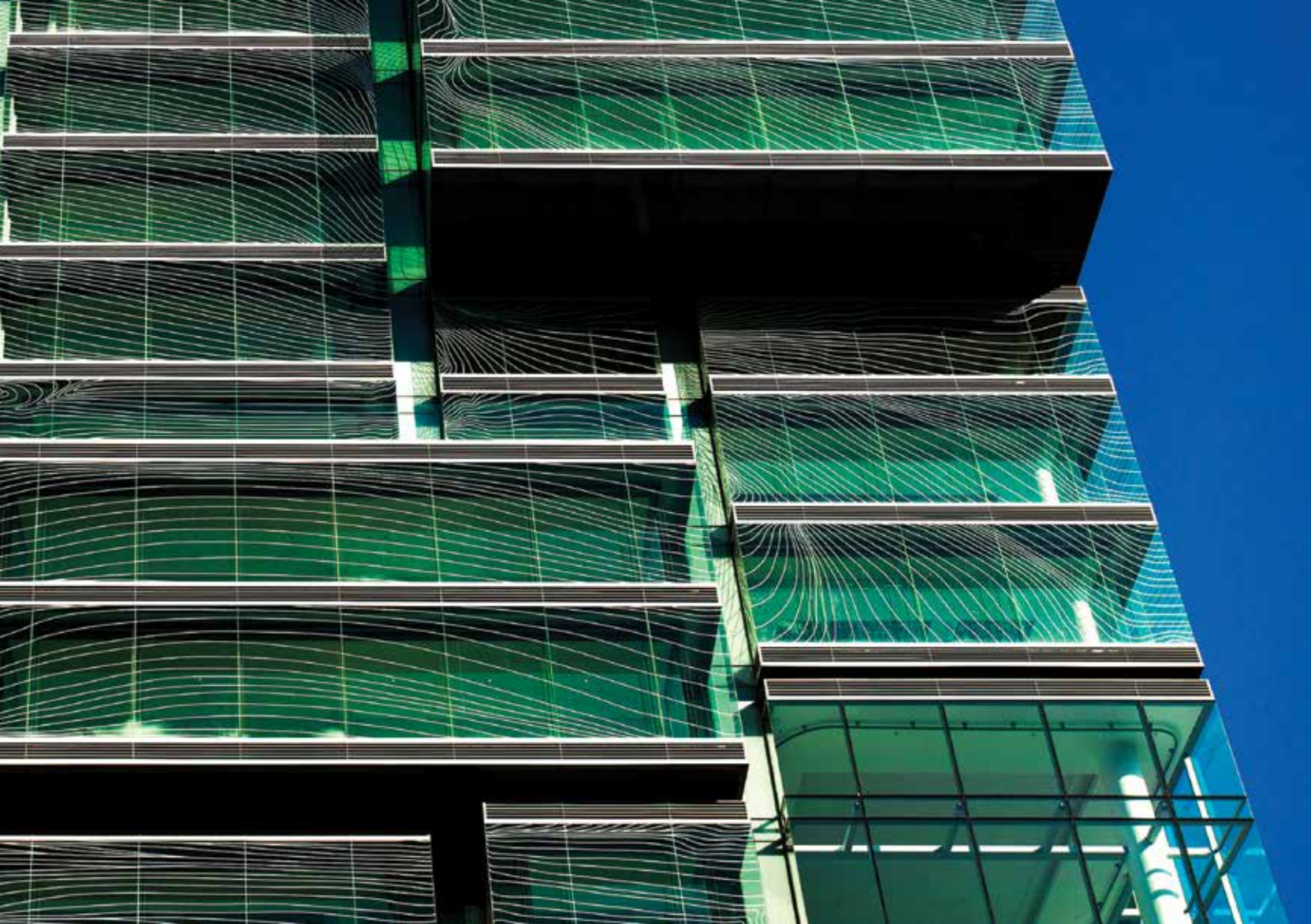
Printed By
PG Glass Building

SPECIFICATIONS

Printed Area
20 000 sqm / 215 278 sqf

Colors
Various colors

Glass Type
GraphixArt Pilkington K Low E
8mm Toughened Safety Glass



CARDBOARD CATHEDRAL

Architect
Shigeru Ban Architects

Location
Chwristchurch, New Zealand

Printed by
Metro Performance Glass

Photographer
Bridgit Anderson

SPECIFICATIONS

Printed Area
126 sqm / 1,356 sqf

Number of Panels
49

Colors
Digital mix

Glass Type
Clear insulated glass


City Centre

POH MING TSE TEMPLE

Architect
Tan Peng Geok,
Park and Associates
Architects

Location
Singapore

Printed by
GSC Glass Ltd

SPECIFICATIONS

Printed Area
144 sqm / 1,550 sqf

Number of Panels
50

Colors
White

Glass Type
Laminated glass

GLASS FARM

Architect
MVRDV

Location
Schijndel, the Netherlands

Printed by
AGC Glass Europe

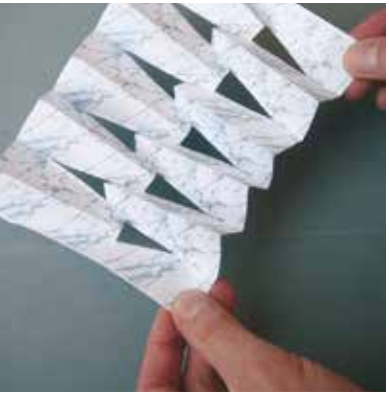
SPECIFICATIONS

Printed Area
1,800 sqm / 19,375 sqf

Number of Panels
500

Colors
Digital mix

Glass Type
Insulated glass



ORIGAMI BUILDING

Architect
Manuelle Gautrand

Location
Paris, France

Printed by
Interpane
Sicherheitsglas Gmbh

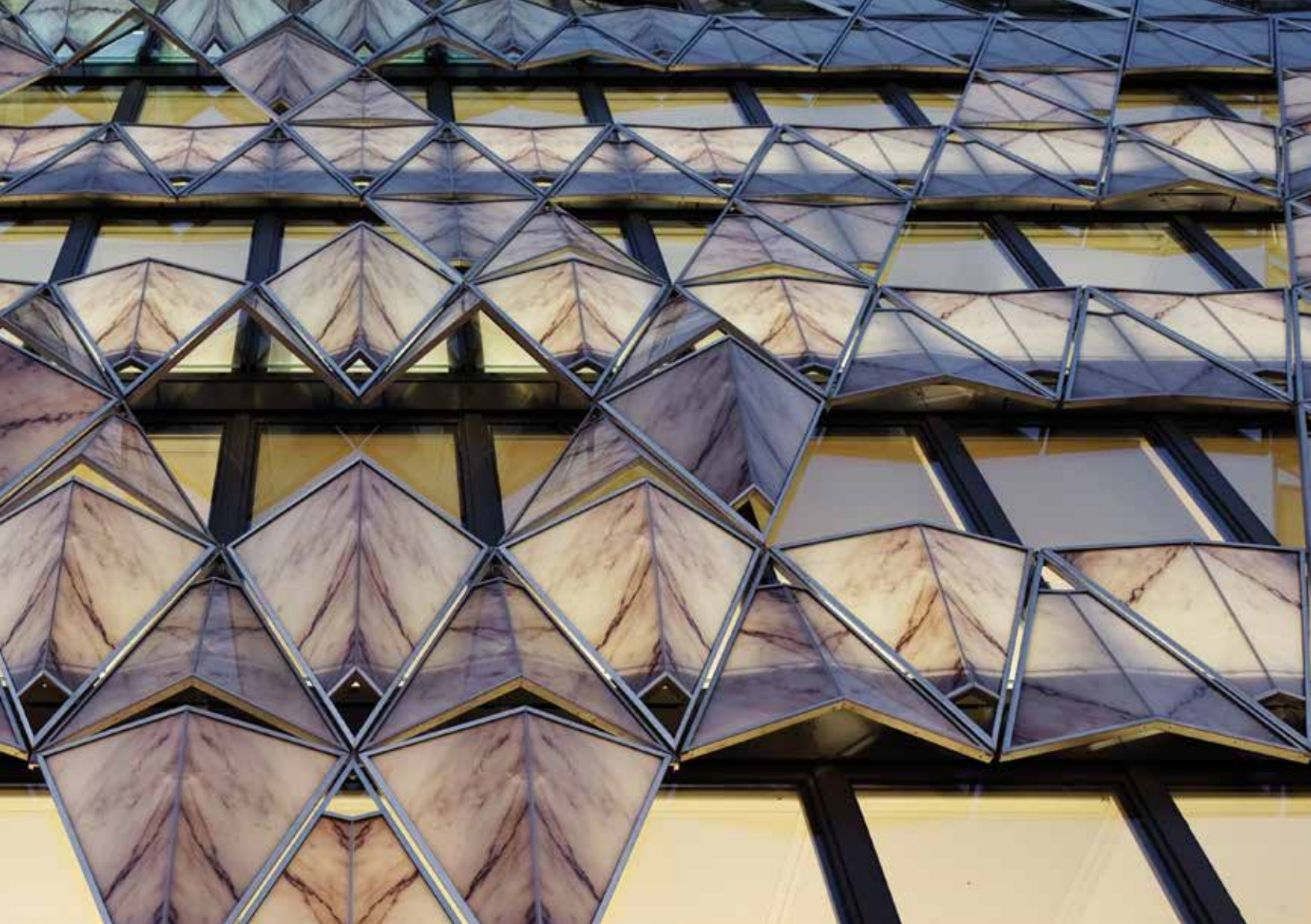
SPECIFICATIONS

Printed Area
900 sqm / 9,687 sqf

Number of Panels
962

Colors
Digital mix

Glass Type
TVG laminated glass



ROCKHEIM MUSEUM

Architect
Pir II

Location
Trondhjem, Norway

Printed by
Rakla, Finland

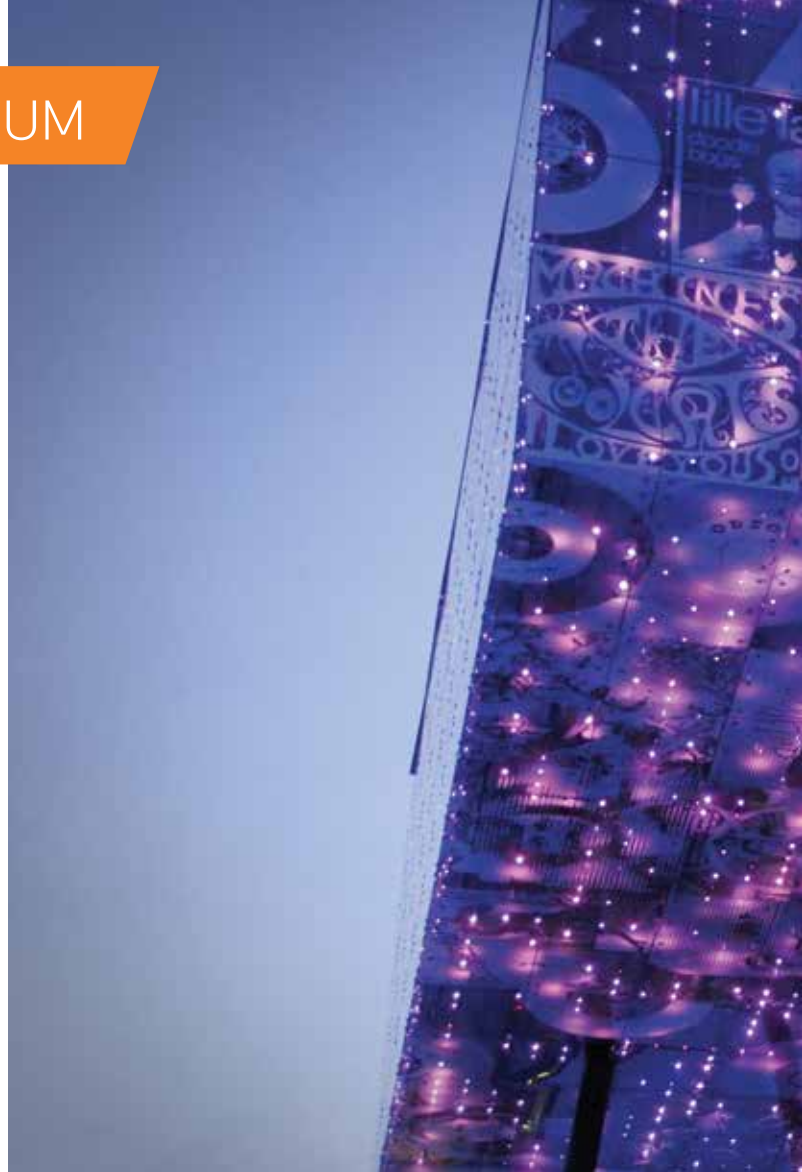
SPECIFICATIONS

Printed Area
800 sqm / 8,611 sqf

Number of Panels
420

Colors
White

Glass Type
TVG
laminated glass




MATERIAL
TRETTHET

SECRETS THE VINE

Architect
Rockwell Group, NY

Location
Cancun, Mexico

Printed by
PVA Vitro

SPECIFICATIONS / EXTERIOR

Printed Area
1,823 sqm / 19,622 sqf

Number of Panels
312

Colors
Grey and white

Glass Type
Clear laminated and tempered glass

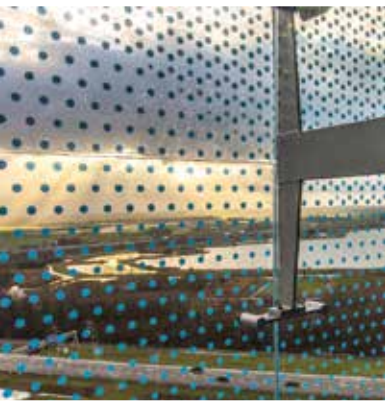
SPECIFICATIONS / INTERIOR

Printed Area
10,630 sqm / 114,420 sqf

Number of Panels
3,949

Colors
Grey and white

Glass Type
Clear tempered glass



FLETCHER HOTEL

Architect
Benthem Crouwel Architects

Location
Amsterdam, Holand

Printed by
Lisec Shanghai Group
of Companies

SPECIFICATIONS

Printed Area
3,312 sqm / 35,650 sqf

Number of Panels
590

Colors
Three shades of blue

Glass Type
Glass heat-strengthened

O'HARE INTERNATIONAL AIRPORT

Architect
Epstein

Location
Chicago, Illinois, USA

Printed by
Goldray Industries

Designer
Thirst

Photographer
Steve Hall © Hedrich Blessing

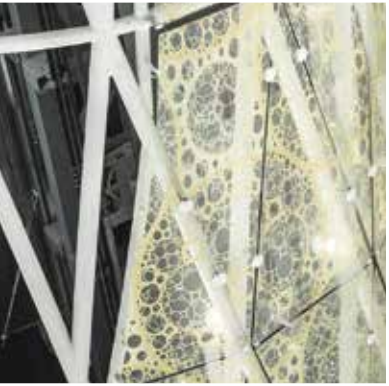
SPECIFICATIONS

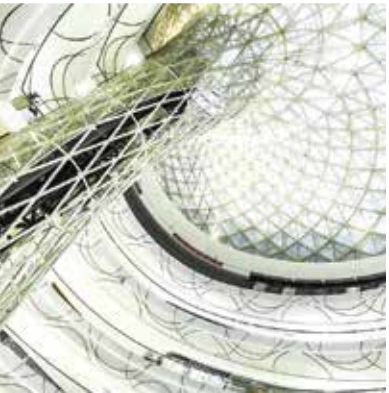
Printed Area
350 sqm / 3,746 sqf

Number of Panels
120

Colors
Digital mix

Glass Type
Laminated glass





HANJIE WANDA PLAZA

Architect
UNStudio

Location
Wuhan, China

Printed by
Glas & Tongue

Photographer
Edmon Leong

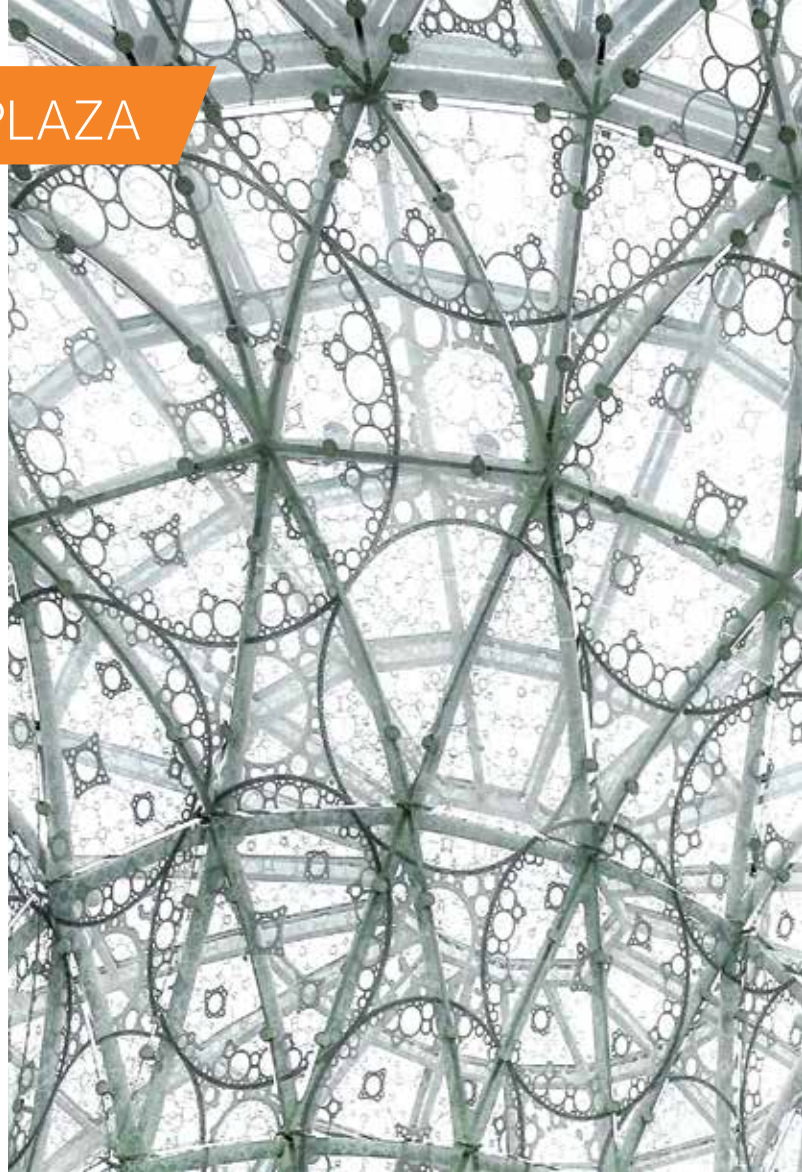
SPECIFICATIONS

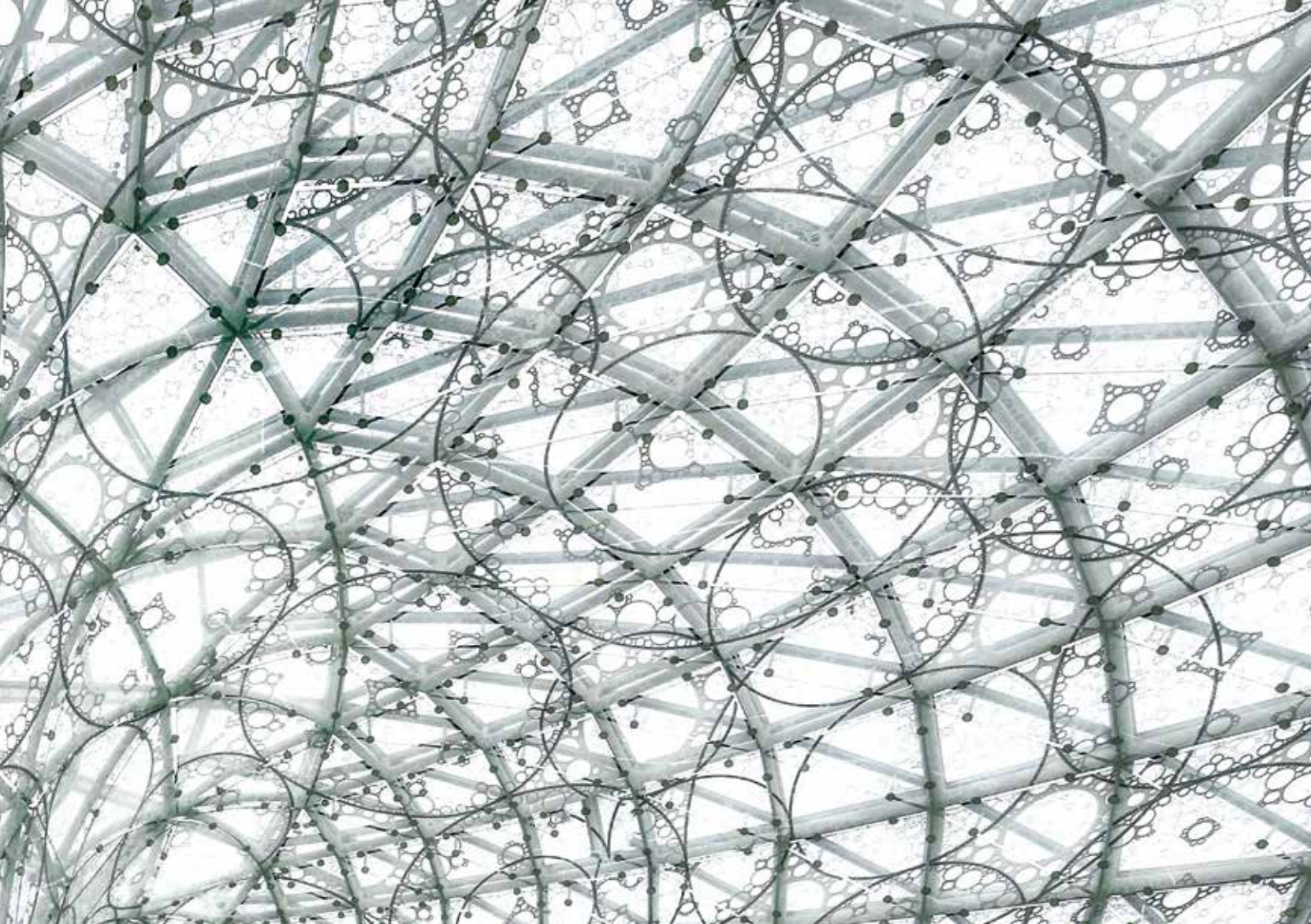
Printed Area
3,500 sqm / 37,673 sqf

Number of Panels
2,346

Colors
Digital mix

Glass Type
6+6 IG white glass, 8+8
IG white bended glass





ART GALLERY

Architect
Turenscape Co., Ltd

Location
Guizhou, China

Printed by
South Bright Glass, China

SPECIFICATIONS

Printed Area
4,650 sqm / 50,052 sqf

Number of Panels
1,360

Colors
White

Glass Type
Low-iron glass

ABOUT DIP-TECH

Dip-Tech is the world's leading provider of digital in-glass printing solutions that combine the durability of ceramic inks with the versatility and quality of digital printing. Dip-Tech provides an unmatched and field-proven solution for all exterior and interior glass printing applications. With a single solution, Dip-Tech helps architects express their artistic vision in façades, curtain walls, windows, dividers, and other glass elements and also meet the full range of functional requirements and sustainable architecture goals.

Top architects worldwide already use Dip-Tech printed glass.

www.dip-tech.com/Project_Gallery

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