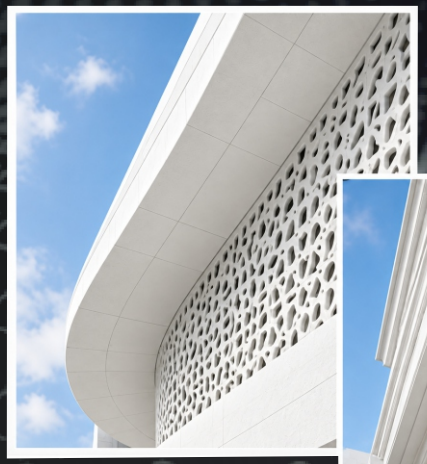

ISO
CERTIFIED
COMPANY
RIYON
GRC & UHPC
INNOVATE · DESIGN · BUILD
ARCHITECTURAL GRC
DESIGNED TO INSPIRE. CRAFTED TO LAST.
PRECISION ENGINEERED
CUSTOM DESIGNS
PREMIUM QUALITY

WHO IS RIYON?

RIYON is an architectural GRC specialist focused on transforming architectural ideas into precisely manufactured architectural elements established since 2021.

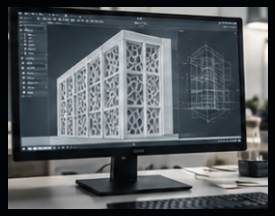


ARCHITECTURAL SHAPES A BRIGHTER TOMORROW

FROM IDEA TO FINISHED FORM



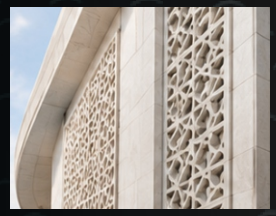
DESIGN



ENGINEERING



MANUFACTURING



QUALITY

ISO 9001:2018 CERTIFIED

QUALITY & PROFESSIONAL STANDARDS

BACKED BY **TAJ PRECAST**

*RIYON is backed by Taj Precast Industries, a leading manufacturer of RCC and precast architectural elements, with manufacturing expertise since **2008**.*

INDIA / BANGLADESH / INDONESIA / USA

A LEGACY OF RECOGNITION

*The proprietor of Taj Precast has been honoured by two Presidents of India, **Dr. A. P. J. Abdul Kalam** and **Smt. Pratibha Devisingh Patil.***





WHAT IS GRC?

- GRC is concrete reinforced with glass fibres. It is lighter & very strong than traditional concrete and gives architects greater freedom to create shapes, patterns, textures and fine details.



WHITE CEMENT | SILICA SAND | AR GLASS FIBER | DOW ACRYLIC POLYMER

WHY GRC?

LIGHTWEIGHT | THIN | DETAILED | VERSATILE | STRONG & DURABLE | DESIGN FREEDOM

HOW GRC? IS MADE



IDEA | DESIGNING | CNC MOULD | MATERIAL | SPRAYING | DEMOULDING | INSTALLATIONS

GRC APPLICATIONS



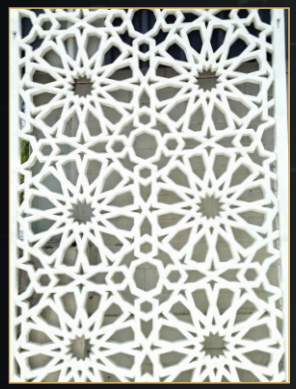
FACADES & CLADDING | SCREENS & JALI | COLUMNS & CAPITALS | LANDSCAPE & EXTERIOR | SCULPTURAL & CUSTOM FORMS

FACADES, SCREENS & JALI

FORM. PATTERN. LIGHT.

GRC gives architecture the freedom to create distinctive facades, detailed screens and expressive Jali, bringing depth, pattern, light and shadow to a building.











01 FACADES & CLADDING

DESIGNED FOR DISTINCTIVE BUILDING ENVELOPES

GRC facade elements can create clean surfaces, deep textures, bold patterns and unique architectural forms, giving buildings a strong visual identity.

- GRC Facade Panels
- Cladding Panels
- Feature Walls
- Decorative Facade Elements
- Parapets
- Fins
- Louvers
- Sunshades
- Canopies

02 SCREENS & JALI

WHERE LIGHT MEETS PATTERN

GRC screens and Jali bring privacy, ventilation, pattern and changing light into architecture. From simple geometric patterns to highly detailed designs, each element can be developed around the project's vision

- GRC Jali
- Decorative Screens
- Privacy Screens
- Partition Screens
- Perforated Panels
- Patterned Screens
- Balcony Screens
- Boundary Screens

COLUMN & CORNICE AND BALUSTER

CLASSIC ELEMENTS.
TIMELESS ARCHITECTURE.

Columns, cornices and balusters add structure, elegance and character to any building. with GRC, these architectural elements can be crafted with precision, offering the look of traditional stone with superior strength, lighter weight and more design flexibility.



01 | COLUMN & CAPITAL

STRENGTH IN EVERY DETAIL

GRC columns bring classical beauty and structural elegance to modern and traditional design.





02 | CORNICE

THE FINISHING TOUCH

Cornices create a refined transition between walls and roofs, adding depth, dimension and a distinguished look to your facade.





03 | BALUSTER

ELEGANCE IN EVERY SPAN

Balusters add rhythm, beauty and safety to balconies, terraces and staircases.





OTHER ARCHITECTURAL ELEMENTS

THE DETAILS THAT COMPLETE THE BUILDING

Beyond facades, screens, columns and cornices, GRC can be shaped into a wide range of architectural elements that add character, depth and continuity to a project.





ENTRANCES, ARCHES & OPENINGS

- GRC Arches
- Entrance Arches
- Door Arches
- Window Arches
- Entrance Portals
- Door Surrounds
- Decorative Frames
- Feature Entrances
- Canopies



ROOF & ELEVATION DETAILS

- Parapets
- Roofline Elements
- Fascia Elements
- Decorative Bands
- Fins
- Louvers
- Sunshades
- Architectural Profiles



BALCONIES & TERRACES

- Balcony Fascia
- Balcony Screens
- Decorative Railings
- Balustrades
- Terrace Features
- Parapet Elements
- Feature Panels
- Custom Edge Details



INTERIOR ARCHITECTURE

- Feature Wall Panels
- 3D Wall Panels
- Decorative Partitions
- Ceiling Panels
- Interior Screens
- Feature Niches



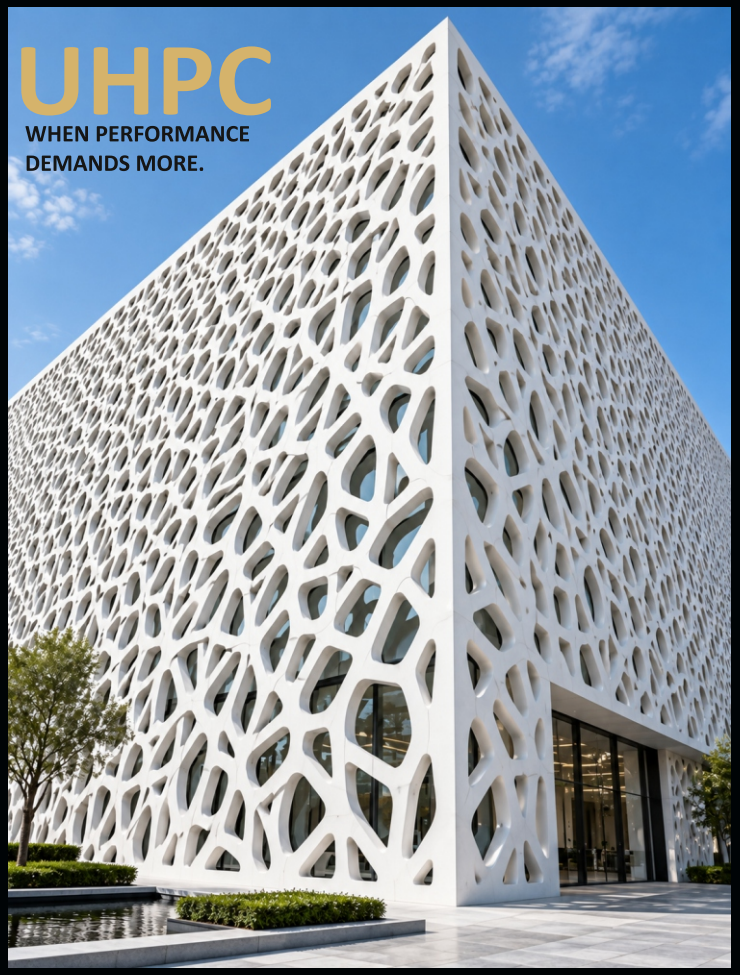
LANDSCAPE & OUTDOOR

- Planters
- Benches
- Pergolas
- Garden Features
- Landscape Screens
- Water-Feature Elements



CUSTOM FORMS

- Curved Elements
- Organic Forms
- Sculptural Features
- 3D Forms
- Feature Installations
- One-Off Designs



ULTRA-HIGH PERFORMANCE CONCRETE

UHPC is a high-performance cementitious material developed for architectural elements where high strength, thin sections and complex geometry demand a different level of performance.

Where GRC is the core of our architectural offering, UHPC extends the possibilities for projects that require slender forms, demanding geometries and a refined architectural finish.

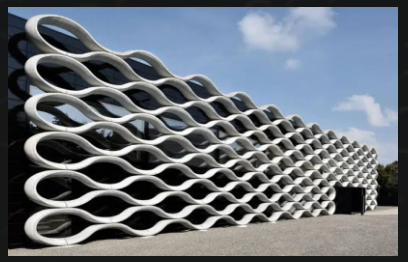
WHY UHPC?

- THINNER FORMS
- HIGHEST STRENGTH
- COMPLEX GEOMETRY
- REFINED FINISH

WHERE UHPC FITS

01 SLENDER ARCHITECTURAL ELEMENTS

Thin architectural panels, fins, screens and other elements where reduced thickness and high performance are important.



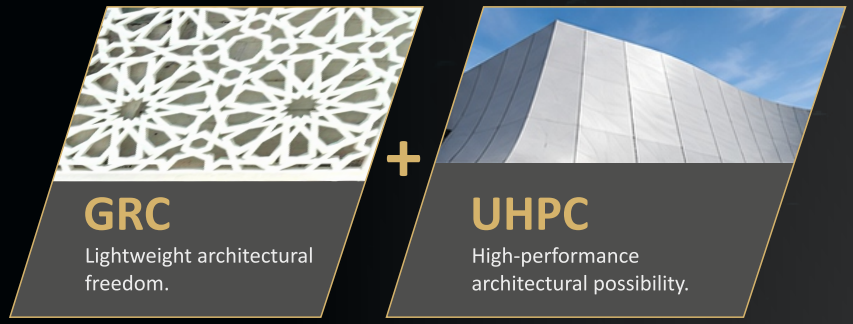
02 COMPLEX & SCULPTURAL FORMS

Custom architectural pieces, intricate geometry and self-supporting forms where conventional concrete may be too heavy or restrictive.



GRC + UHPC

TWO MATERIAL CAPABILITIES.
ONE ARCHITECTURAL APPROACH.



WHEN ARCHITECTURE DEMANDS MORE,

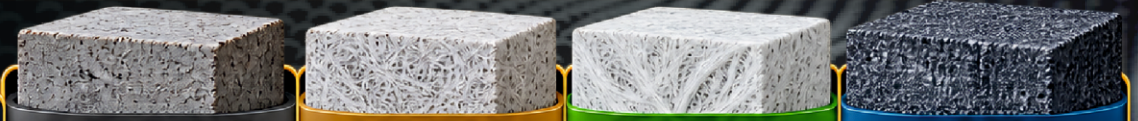
UHPC TAKES IT FURTHER.

WHY TO CHOOSE RIYON?



DIRECT SPRAY
GRC PRECISION
REINFORCEMENT

MATERIAL PERFORMANCE COMPARISON



PROPERTY	TRADITIONAL RCC (Reinforced Cement Concrete)	PREMIX GFRC (Other Company)	SPRAY-UP GRC (Our RIYON)	UHPC (Ultra-High Performance Concrete)
MOR	3 – 6 MPa	8 – 10 MPa	18 – 30 MPa	15 – 40+ MPa
Compressive Strength	25 – 50 MPa	50 – 80 MPa	50 – 80 MPa	150 – 220+ MPa
Tensile Strength	Low	Moderate	High	Very High
Density (kg/m³)	2,300 – 2,400	1,800 – 2,100	1,600 – 1,900	2,400 – 2,500
Water Permeability	Moderate / High	Low	Low	Extremely Low
Abrasion Resistance	Moderate	Good	Good	Excellent
Durability	Moderate	Good	Good	Exceptional
Weight Advantage	Poor	Good	Excellent	Poor to Moderate
Thin Panels	Poor	Good	Excellent	Possible (but heavier)

RIYON USE 100% JAPANESE MADE NIPPON ALKALI RESISTANT GLASS FIBER

ENGINEERING A MORE BEAUTIFUL, DURABLE AND SUSTAINABLE TOMORROW.

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