



TERRAZZO  
EST. 1976

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# OUR STORY

CREATING FEARLESSLY  
OUR JOURNEY SO FAR  
WHAT WE STAND FOR  
OUR PORTFOLIO  
OUR CERTIFICATIONS

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## CREATING FEARLESSLY

SINCE 1976

Our success story is one of vigor and vision. From humble beginnings over 42 years ago, Terrazzo products have grown to become the foundations of Dubai's world-famous skyline.

It is with this trailblazing spirit that we will continue to serve the development of the UAE's most ambitious projects.



LOVRAJ TALWAR  
FOUNDER & CEO

# OUR JOURNEY SO FAR

Driven by our ethos of creating fearlessly, our story originated in 1976, just five years after the historical union of the UAE, in 1971.

**1976**  
FLOORING

Production of internal and external flooring solutions, including our Pavimenti® range of products, epoxy solutions, and mosaic tiles.

**1983**  
STONE

Sourcing, fabrication, and installation of a variety of natural and engineered stone.

**1984**  
GRP

Manufacturing and installation of glass-reinforced plastics with the distinction of being the only manufacturer approved by the Dubai Civil Defense (DCD).

Today, Terrazzo is the GCC’s largest manufacturer of high-end products for the construction industry.

**1997**  
GRC

Production and application of glass-reinforced concrete cladding and façade solutions.

**1997**  
PREFAB STRUCTURES

Turnkey structures from our Terrafab® range of products.

**2002**  
PLASTICS

Manufacturing of our Polytex® plastics range and trading of Borouge® polymers.

**2009**  
CONCRETE

Production of concrete products including our precast concrete, Terrabloc® range of blocks and pavers, and cable tiles range.

We continue to innovate and expand our offerings to ensure that we meet our clients’ needs at every stage. Our products can be seen in almost every project in the region.



# OUR PORTFOLIO

## INVESTING IN INNOVATION

THE WAY IN WHICH WE HAVE DEVELOPED OUR PORTFOLIO HAS BEEN EXTREMELY PURPOSEFUL.

We have carefully researched the demand potential of each of our products by meticulously investigating and answering the needs of our clientele.

Each product has been brought to the market with a lean workforce and a low-risk strategy – building our capacity proactively, but cautiously.

Terrazzo has and will continue to invest in skills, knowledge, and automated processes, whilst ensuring that our promise of quality and dependability is maintained at all times.



# OUR CERTIFICATIONS

## GENERAL

- ▶ ISO 9001:2015 Management System Certification

## GRC

- ▶ DCD Certificate: Glass Fiber Reinforced Concrete
- ▶ DCD Certificate: Exterior Cladding Material
- ▶ GRCA Membership

## CONCRETE (BLOCKS & PAVERS)

- ▶ Gulf Laboratory for Soil and Building Materials Testing
- ▶ Dubai Government Certificate of Product Conformity
- ▶ Dubai Government Engineering Professions Practice Certificate
- ▶ UAE Ministry of Infrastructure Development Supplier Certificate
- ▶ Fire and Acoustic Certificate issued by a Dubai Municipality accredited laboratory

## PLASTICS

- ▶ Dubai Government Suitability Certificate

## GRP

- ▶ Dubai Civil Defense Certificate for Fire Resistance
- ▶ Dubai Government Food Contact Material Approved

## STONE

- ▶ Dubai Civil Defense approved Stone Façades
- ▶ Natural Stone Institute member

## FLOORING

- ▶ Sharjah Government – Mosaic Tiles Quality Check
- ▶ Dubai Central Laboratory Mosaic Tile Tested



## DEFINING CITY SKYLINES

### GRC

FROM OUR ORIGINAL TEAM OF FIVE PEOPLE WHO PRODUCED CLADDING FAÇADES FOR COMPACT RESIDENTIAL VILLAS AND COMMUNITY MOSQUES, OUR GRC DIVISION HAS GROWN INTO A WORKFORCE OF MORE THAN 550 PEOPLE.

Our GRC manufacturing plant – one of the world's largest – produces high-quality products that include:

- ▶ A/C covers
- ▶ Arch panels, castellations
- ▶ Arches
- ▶ Benches
- ▶ Ceiling claddings
- ▶ Cladding panels, fascia panels
- ▶ Column cladding, pedestals, capitols & base
- ▶ Cornices, coping, brackets
- ▶ Domes
- ▶ Façade cladding panels
- ▶ Fountains
- ▶ Gazebos
- ▶ Inside architectural components
- ▶ Pergolas
- ▶ Planters
- ▶ Railing & balustrades
- ▶ Screens, decorative panels, GRC screens
- ▶ Signage boards
- ▶ Window & door surrounds
- ▶ Other custom-made products



▲ GRC SCREEN WITH AN ACID ETCHED FINISH

#### ◀ OVERVIEW OF OUR GRC FACTORY



Using state-of-the-art technologies to mix fine aggregate, water, chemical admixtures, and glass fiber into a spray application process, we create cladding panels that are fire-retardant and that act as thermal insulators.

Our time-honed, cutting edge technology continues to serve the construction industry's growing need for GRC-based façade solutions that are both innovative and detailed.



The benefits of using our GRC products are:

- ▶ Ease and speed of handling, which reduces installation and transportation costs
- ▶ A reduced load on the building, which leads to a significant reduction in other construction related costs
- ▶ Low maintenance requirements
- ▶ Low water permeability
- ▶ Excellent fire resistance
- ▶ Thermal insulation



▲ CARVING OF A DECORATIVE GRC PANEL



## PAVING THE WAY FOR THE UAE'S DEVELOPMENT

### CONCRETE

FROM ITS INCEPTION, OUR CONCRETE DIVISION HAS EXCELLED IN THE DELIVERY OF A BROAD, DEPENDABLE AND HIGH-QUALITY RANGE OF PRODUCTS.

The rapid expansion of the UAE has seen a growing demand for products in this category.



▲  
UNIWAVE INTERLOCKING PAVERS

- ▶ Terrabloc®
  - ▶ Blocks
    - ▶ Hollow
    - ▶ Lightweight
    - ▶ Solid
    - ▶ Thermal Insulated
  - ▶ Pavers
    - ▶ Interlocking Pavers
- ▶ Paving Slabs
- ▶ Cable Tiles
- ▶ Precast Concrete
  - ▶ Architectural Precast
    - ▶ Designer Boundary Walls
    - ▶ Route Markers
    - ▶ Bollards
    - ▶ Concrete Furniture
    - ▶ Balustrades
    - ▶ Copings
    - ▶ Coved Skirting
    - ▶ Concrete Domes
    - ▶ Concrete Arches
  - ▶ Infrastructural Precast
    - ▶ Foundations
    - ▶ Wheel Stopper
    - ▶ Concrete Troughs
    - ▶ Sub Stations:
    - ▶ Columns
    - ▶ Beams
    - ▶ Plinth Beams
    - ▶ Foundations
    - ▶ Wall Panels
    - ▶ Door Frames
    - ▶ Lintels
- ▶ Kerb Stones
- ▶ General Precast

#### OUR PRECAST FACILITY



#### PACKAGING A SET OF BLOCKS



#### CERTIFICATIONS

All our concrete products are fire-resistant for a minimum of three hours and comply with both BS/EN standards and Dubai Central Laboratory regulations.

#### BLOCK & PAVERS

We have a fully automated plant for the production of our Terrabloc® range of blocks and pavers, which allows for increased capacity, quality, and uniformity. These highly heat-and-fire resistant blocks and pavers provide excellent insulation and come in a variety of shapes and sizes.

Our plant is also one of the largest of its kind; it has an annual capacity of more than 26 million blocks as well as 1 million m<sup>2</sup> of pavers. Our range of products offers over 100 different types of designs.

#### CABLE TILES

Our cable tile is a key product serving the UAE's power infrastructure. It guarantees complete safety and uninterrupted services to communities by protecting high-voltage underground cables.

We use a unique, double layer manufacturing technology that delivers a smooth surface finish of the highest quality. Our cable tile production facility spans over 40,000 ft<sup>2</sup> and has the capacity to produce 1 million m<sup>2</sup> per year.

#### PRECAST CONCRETE

Our precast concrete plant covers a 240,000 ft<sup>2</sup> plot and produces a variety of architectural, infrastructural, and structural precast elements. Precast concrete is made of natural raw materials (stone, gravel, sand, cement), which are locally available. This minimizes the entire life cycle impact on the environment when compared with other construction materials.

Precast products have varied applications and are used across the construction and transport industries as boundary walls, foundations, route markers, and much more. In addition to manufacturing and supplying these products, we also offer installation services.

#### OUR 'EGG LAYING' MACHINE IN OPERATION





POLYTEX® WATER TANK



## PLASTICS

IN 2002, WE EXPANDED OUR PORTFOLIO INTO PLASTICS BY INTRODUCING OUR OWN, UNIQUE BRAND – POLYTEX®.

The division's workforce has since grown from 15 to 50 skilled technicians, using state-of-the-art blow-molding and roto-molding technologies within our 70,000 ft² production facility.

### WHAT WE MANUFACTURE

- ▶ Plastic Pallets
- ▶ Road Barriers
- ▶ Vertical Insulated Water Tanks (over-ground)
- ▶ Horizontal Insulated Water Tanks (over-ground and underground)

Our range of plastic products is used in the region's most expansive development projects and community spaces. Polytex® underground and over-ground water storage tanks are available in a variety of styles and capacities. Our Polytex® road barriers improve roadside and worksite safety.

### WHAT WE TRADE

We also trade in prime and non-prime Borouge® polymer – a raw material that is used in the automotive, electronics, building, and construction industries.



POLYTEX® ROAD BARRIER

DELIVERING OPTIMAL  
STORAGE, LOGISTICS,  
AND INFRASTRUCTURAL  
SOLUTIONS

OUR BLOW-MOLDING FACILITY





## CREATING BESPOKE SYSTEMS AND FAÇADES

### GRP

OUR GRP DIVISION DEMONSTRATES HOW OUR BUSINESS HAS GROWN IN DIRECT RELATION TO THE REGION'S CONSTRUCTION NEEDS.

The division started with just 20 people – manufacturing car sheds and 'hand lay-up' tanks for temporary water storage.

Today, we employ a technical workforce of more than 200 people. We are the only company in the region that has been approved by the Dubai Civil Defense to supply and install GRP cladding systems and façades.

Our GRP products include:

- ▶ Corrugated Sheets
- ▶ Custom Molded Items
- ▶ Cylindrical Tanks
- ▶ Domes
- ▶ Façades
- ▶ Filament Wound Products
- ▶ Hot-Pressed Panel Tanks
- ▶ Junction Boxes
- ▶ Kiosks – Transformer Rooms
- ▶ Lining
- ▶ Structural Molds
- ▶ Waffle Molds



The benefits of using our GRP products are:

- ▶ Cost-effectiveness
- ▶ Design flexibility
- ▶ Dimensional stability
- ▶ Fire-resistant properties
- ▶ Great strength in relation to weight
- ▶ Less reinforcement required due to lightweight properties
- ▶ Nonconductive properties
- ▶ Not subject to corrosion

These unique characteristics make GRP suitable for a wide range of applications such as enclosures, concreting molds, sewerage, domes and pergolas, water storage, louvers, screens, facades, and cladding panels, and many more.



ON-GOING FILAMENT WINDING PRODUCTION





## PRODUCING ALL-INCLUSIVE OFFSITE SOLUTIONS

### PREFAB STRUCTURES

TERRAZZO CATERS TO THE DEMAND FOR DURABLE, COST-EFFECTIVE STRUCTURES IN THE UAE AND GCC AT LARGE. OUR EXCLUSIVE LINE OF PREFAB STRUCTURES IS KNOWN AS TERRAFAB®.

Our range of Terrafab® products includes:

- ▶ Affordable Homes
- ▶ Bathroom Pods
- ▶ Containerized LV Room (low voltage)
- ▶ Containerized Offices & Accommodations
- ▶ Customized Steel Container Housing
- ▶ Dry Walls Partition
- ▶ Flat Pack Modular Housing
- ▶ Guard Booth
- ▶ Labor Camp – Accommodation And Facilities
- ▶ Light Weight Concrete (LWC) Partition Walls
- ▶ Luxury Villas
- ▶ Majlis / Outhouses
- ▶ Mosques
- ▶ Site Offices



ROOF INSTALLATION IN PROGRESS

AN OPERATOR USES OUR CNC COLD ROLL STEEL MACHINE



Our Terrafab® range is structurally strong, safe, easy to move, easy to assemble, and above all, comfortable. We provide a complete turnkey service for these products – everything from architectural, civil, mechanical, electrical, and plumbing. All our prefabricated products can be constructed offsite. All operations throughout the manufacturing process are Dubai Civil Defense approved.

We use system-integrated CAD, structural calculations, and 3D modeling design to engineer and produce wall frames, floor joints, and roof trusses that comply with all major international light steel-frame building codes.



Most recently, we have introduced a non-load bearing lightweight concrete infill partition wall system, which reduces construction time and is more economical. All of our dry wall partitioning systems are fully fire-rated.



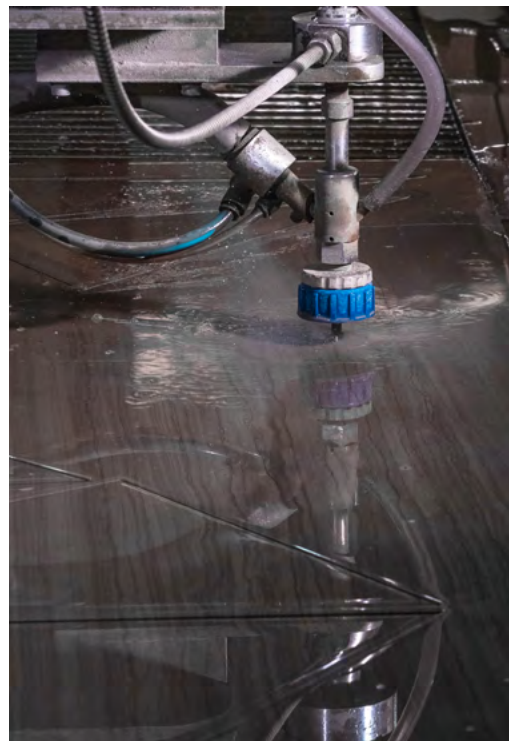
## TRANSFORMING SPACES WITH STONE

### STONE

OUR STONE DIVISION WAS ESTABLISHED IN 1981, IMPORTING HIGH-QUALITY MARBLE AND GRANITE FROM ALL OVER THE WORLD. THE DIVISION STARTED WITH 15 PEOPLE AND HAS GROWN TO OVER 500 PEOPLE.

Our range of stone solutions includes:

- ▶ Natural Stone
  - ▶ Basalt
  - ▶ Dolomite
  - ▶ Gneiss
  - ▶ Granite
  - ▶ Laterite
  - ▶ Limestone
  - ▶ Marble
  - ▶ Quartzite
  - ▶ Sandstone
  - ▶ Slate
- ▶ Engineered Stone
  - ▶ Agglomerated Marble
  - ▶ Artificial Quartzite
  - ▶ Porcelain



OUR WATERJET MACHINE IN OPERATION

#### AN OVERVIEW OF OUR STONE PROCESSING FACILITY



Enhancing the visual appeal of any space, our stone products are both decorative as well as functional in nature. Through our stringent supplier vetting process, we source the highest quality of raw materials. Our processing transforms the raw material into highly polished tiles of any shape and size, and our cutting and grinding technologies ensure precision and accuracy.

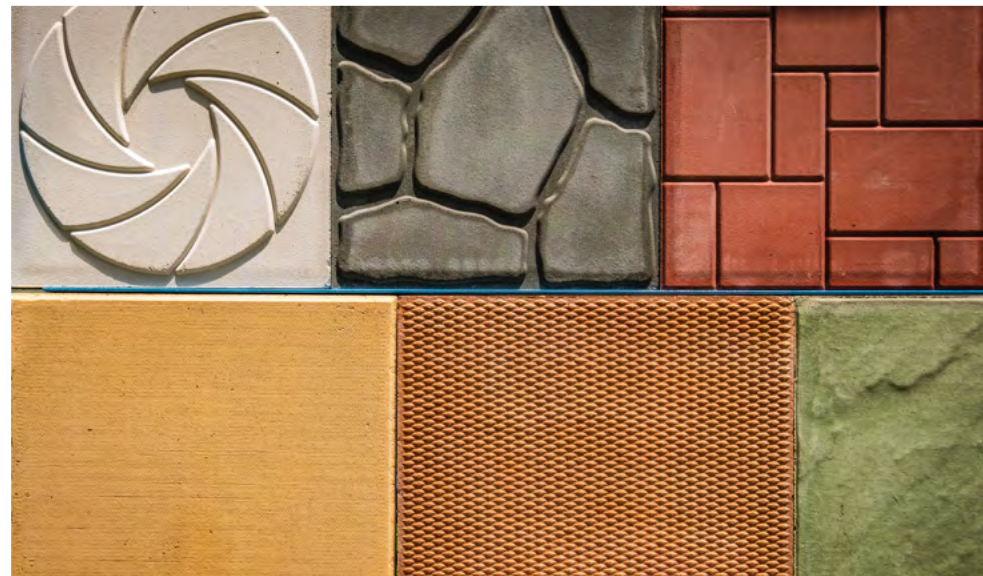
Our large-scale state-of-the-art facility has a production capacity of up to 25,000 m<sup>2</sup> per month of finished product. Terrazzo's stone solutions are featured in the largest building and construction projects in the UAE and across the GCC.

#### A WATERJET PATTERN



MARBLE SLABS BEING PROCESSED





# FLOORING

THE TERRAZZO NAME HAS BECOME SYNONYMOUS WITH SUPERIOR TILING AND FLOORING SOLUTIONS. UNDER OUR FLOORING DIVISION YOU WILL FIND TWO DISTINCT VERTICALS:

- Internal Flooring
  - Epoxy Flooring
  - Mosaic Floor Tiles
  - Steps & Risers
- External Flooring
  - Pavimenti®
    - Shot-Blasted
    - Patterned

## INTERNAL FLOORING

Our mosaics are produced in a variety of designs and sizes offering functional and decorative solutions. We also manufacture steps and risers of different sizes and thicknesses, with precision machinery imported from Italy.

Manufactured from a mix of pigmented epoxy resin, colored glass, synthetic chips, mother of pearl and other aggregates, our epoxy composite flooring is now used extensively within the region's shopping malls, airports, metro stations, restaurants, gyms, cafés, and hospitals.

## EXTERNAL FLOORING

Our Pavimenti® range of external flooring provides a unique finish to decks, patios, and commercial and industrial spaces. An innovative characteristic of our bespoke shot-blasted Pavimenti® tile designs is the additional grip that it provides.

## FLOORING SOLUTIONS WITH A DIFFERENCE

MOSAIC TILES ARE PACKAGED & READY FOR DISPATCH







# LOOKING FORWARD

SUSTAINABILITY  
FUTURE VISION

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# SUSTAINABILITY

## KEEPING OUR ENVIRONMENT INTACT

SUSTAINABILITY IS AT THE HEART OF TERRAZZO AND IS ALL ENCOMPASSING – FINANCIALLY, OPERATIONALLY, AND ENVIRONMENTALLY.



ALL OUR PLANTS WILL BE POWERED THROUGH SOLAR ENERGY BY 2019

## PRESENT

We are committed to sustainability in our production processes and the materials we use:

- ▶ We preserve our environment by recycling 70% of the water used during the manufacturing process of our mosaics.
- ▶ We have invested in settling tanks and a filter press, which enables us to save 90% of the water used for the processing of our stone products.
- ▶ Our GRC products act as insulation, reducing the consumption of power for cooling.
- ▶ In contrast to all other types of cladding, our GRC products help to reduce the weight of buildings, resulting in less usage of concrete and steel for reinforcement.
- ▶ The lightweight properties of our GRP materials minimize the need for reinforced concrete and steel.
- ▶ 30% of the raw material used for our concrete solutions is recycled from building waste.
- ▶ We manufacture thermal blocks that are used for insulation, thereby reducing energy cost.
- ▶ Our prefab structures replace materials such as concrete, that are more harmful to the environment.
- ▶ All our plastics are completely recyclable – eliminating any waste.
- ▶ Our blow-molding technology allows for improved energy usage per unit of our Plastics production.
- ▶ Ensure that offices and factories recycle 100% of the paper that it consumes by June 2019

## FUTURE

We are always searching for greener and more sustainable product modifications and solutions. The fundamental well-being of our business depends on natural resources; therefore, we are determined to pursue a sustainable future that is free of harmful environmental impact. We will continue to commit ourselves to future generations by consistently improving the longevity and ecological consideration in the design and production of both our input and output.

We envision a sustainable future that includes:

- ▶ Increased paper recycling
- ▶ Committing to going paperless by June 2020
- ▶ Developing products that can be completely recycled
- ▶ Investing in modern equipment in order to reduce our energy usage
- ▶ All our plants will be powered through solar energy by 2019



# FUTURE VISION

## BUILDING TOMORROW, TODAY

We are proud to have served the development of the UAE from its formative years.

Looking to the future, it is our prerogative to find more sustainable ways to work. In line with Dubai's 2030 vision, we will continue to focus on innovation, growth, and adding value to the lives of all our stakeholders – creating fearlessly.







“WE WILL CONTINUE  
TO FOCUS  
ON INNOVATION  
AND GROWTH”







