

COMPANY PROFILE



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About Us

Al Mezan has a completely professional team on and off the site. Education and experience stand to be the back-bone of our company ensuring the quality and qualification of every single member of our team contributing to and striving for excellence. Each of our associate possess about eight to ten years experience in the field.

Our efforts persist and in turn give off new product variants and executing techniques providing our customers with the best state of the art service facility. A wide range of water proofing membranes and liquid application options are offered to ensure that our clients get the every bit of what they deserve as a comprehensive package while dealing with us



VISION

To be the leading Company in the region's Water Proofing Protection Services Sector with a solid Commitment for safety.

MISSION

We strive to provide the highest level of quality products and services with exceptional adherence to health, safety and Environment with the latest emerging services technology.

"We Provide Cost Effective Solution For You"

At Mezan UAE, we combine expertise, innovation, and commitment to deliver solutions that protect and enhance every structure. Here's why our clients choose us:



Specialized Expertise

Over 13 years of experience in waterproofing, GRP lining, insulation, and floor coatings ensures reliable results for every project.



Quality Assurance

We use premium materials and proven techniques to guarantee durability, safety, and long-lasting performance.

Our Services

1

Bituminous Waterproofing

Bituminous waterproofing systems are designed to protect residential and commercial buildings. Bitumen is a mixed substance made up of organic liquids that are highly sticky and viscous and are waterproof.

Bituminous Membrane

Bituminous membranes are made up of more than one product, Bitumen, a mixture of limestone or sand added with polymers, Base products such as polyester, fibre glass etc, Small granules of minerals and Thin transparent film. Bituminous roofing membranes represent a major portion of today's roofing and have a strong record of reliability.

Bituminous roofing products move with the structure but do not absorb water. The products have an extremely long life span, with most membranes having British Standard marks against each product name. There is low noise pollution during application. Bituminous membranes protect insulation and can reflect harmful sun rays. New products also contain photovoltaic cells that can produce solar energy.

Types of Bituminous Membranes

1. Built-Up Roofing System (BUR)

2. Modified Bitumen Roofing

- APP modified bitumen roofing membranes
- SBS modified bitumen roofing membranes

3. Single Ply Roofing Systems

- TPO roofing
- PVC roofing



**BITUMINOUS
WATERPROOFING**

2

Acrylic Based Waterproofing

Conservation Technology Acrylic Roof System is designed to permanently waterproof new or existing roofs with positive drainage, including roofs with low slopes and complicated flashings. The system consists of two principal components: a premium elastomeric liquid acrylic coating and a polyester reinforcing fabric. The fabric is embedded between multiple layers of the coating to create a seamless, reinforced flexible membrane that can last indefinitely with minimal maintenance. Flashings are simply painted in place and become an integral part of the membrane. It is suitable for any climate. It is environmentally friendly and affordable. Acrylic membranes bond to almost anything.



3

Liquid Roofing

This kind of waterproofing is done particularly in wet areas like bathrooms, kitchen, toilets and also balconies, laundries etc. The waterproofing material shall be liquid applied or torch applied membrane. The waterproofing system shall be installed over a dry, smooth and clean concrete floor.



4 Foamed Concrete

Foamed concrete is a highly workable, low density material incorporating up to 50% entrained air. It is generally self leveling, self compacting and may be pumped. Foamed concrete is ideal for filling voids such as disused fuel tanks, sewer systems, pipelines and culverts – particularly where access is difficult. Good thermal insulation properties make foamed concrete also suitable for sub-screeds and filling under floor voids.

Foamed concrete is a type of porous concrete similar to aerated concrete. Foamed concrete is created by uniform distribution of air bubbles throughout the mass of concrete.

Foamed concrete is used in roof and floor as insulation against heat and sound and is applied on rigid floors in multi-level residential and commercial buildings. It is used in interspaced filling between brickwork leaves in underground walls, insulation in hollow blocks, for the manufacture of precast blocks and panels for curtain and partition walls, slabs for false ceilings etc. It can be used in roofs because of very good insulation and being lightweight.



FOAMED CONCRETE

5 Heat Insulation

Thermal insulation is the reduction of heat transfer between objects in thermal contact or in range of radiative influence.

Thermal insulation provides a region of insulation in which thermal conduction is reduced or thermal radiation is reflected rather than absorbed by the lower-temperature body.

Low thermal conductivity is equivalent to high insulating capability.

Maintaining acceptable temperatures in buildings (by heating and cooling) uses a large proportion of global energy consumption. When well insulated, a building is energy-efficient, thus saving the owner money. It provides more uniform temperatures throughout the space. Unlike heating and cooling equipment, insulation is permanent and does not require maintenance, upkeep, or adjustment and thus minimal recurring expense. It ensures lower Tripton rating of the carbon footprint produced by the house. Many forms of thermal insulation also reduce noise and vibration, both coming from the outside and from other rooms inside a building, thus producing a more comfortable environment.



HEAT INSULATION

6 Combo Roofing System

Foam Roofing

- Polyurethane Foam is a Spray applied, rigid monolithic layer that has been in use as a roofing and insulation material for over 45 years.
- It is fully bonded to roof slab and is impermeable to water.
- It can be availed in different densities by adjusting the mix proportions, as per the specification and site requirement.
- Foam roofing produces energy savings of 30% or greater when compared to the alternative roofing systems. The cost of the roof can be easily recovered in less than 5 years. simply through these energy savings alone!



The Combo Roofing System

Totally new approach towards waterproofing compared to the present systems, it's a Hybrid System compiling of all the previous concepts.

- Spray applied. quick-setting foam system comprising of 5 layers of protection from water leakage problems & providing Thermal Insulation.
- This Monolithic system can carry loads of up to 2.5 tons per m². A System that reduces the Relative Dead load of the structure by 20 % & time consumption of work by 30%.
- Consistent sustenance and life Span of about 25 years.

Method Of Application for Roof Waterproofing System (Combo Roofing System)

The Combo Roofing system consists of multiple layers. Each layer has a distinguished purpose of its own and is thus mandatory for the 100% efficiency of the system. The following step – by – step segregated representation of the system with reference to the function of each layer.

- Surface Preparation
- Polyurethane Foam
- Protection Layers
- Rubberized Coating
- Protection Screed
- Weather Coating

Finishing Works

- Angle Fillet
- Joint Sealant And Spec Cord



7 Basement Waterproofing

The ruthless desert condition in the Middle East, along with high temperature and humidity encountered in the coastal regions entail special precautionary measures to be taken in placing high-quality concrete. The excessive heat and dry winds cause plastic shrinkage and cracking unless mixes are carefully designed and proper curative techniques are adopted. The high concentrations of salt present in the water, ground and atmosphere cause chemical reactions to take place in the concrete, which rapidly leads to its decomposition.

Basement waterproofing is done to insulate the basement against all forms of moisture seepage contributing to its durability. This waterproofing helps the basement surface in surviving foundation distress and landscaping challenges such as infusion of pressurized gases among sunken, soil zones. Basement membranes have been regarded as an effectual solution for every basement-waterproofing requirement. Basement membranes have a long life cycle and have no known reactions with moisture. It offers years of undemanding waterproofing with negligible need for refurbishing or any kind of repair.



Types of Basement Membranes

- Emulsion (Bituminous) Waterproofing Membrane
- Liquid Foundation Waterproofing Membrane
- Elastomeric Waterproofing Membrane

8 Damp Proofing

Damp proofing in construction is a type of waterproofing applied to building foundation walls to prevent moisture from passing through the walls into interior spaces. A damp-proof course (often abbreviated to DPC) is a horizontal barrier in a wall designed to resist moisture rising through the structure by capillary action – a phenomenon known as rising damp. A damp-proof membrane (DPM) performs a similar function for a solid floor. In simpler words, DPC is used to stop dampness in buildings. To avoid water from reaching to walls, we lay DPC layer at plinth level (the joint level of walls and foundations).

Building standards in many countries require most new buildings to incorporate a DPC/DPM at the time of construction. This may consist of a thin strip of plastic, a course of engineering brick or slate, or a layer of bitumen.



DAMP PROOFING

9

Roof Waterproofing

Design concept:

The waterproofing of suspended floors and roof to structures involves the use of an overall impervious membrane to carry away surface water and seepage through the finishes to the galleys and outfalls.

The critical nature of the waterproofing on suspended or elevated slabs requires that particular attention be pointed to the following points:

- The surface to be waterproofed must be given adequate falls to drainage points either by slabs to falls or screed falls.
- The waterproofing around galleys should be detailed to provided drainage at both surface and membrane levels.
- Particular attention should be paid to the correct positioning and detailing of expansion joints to allow them to occur at the highest point of the fall. it's essential that up stands be provided at joints to create a completely waterproof tray on each side with parapet flashing or traditional metal counter flashing.
- Particular attention should be paid to the termination of the membrane at the up stands. parapet and around openings.

The membrane should be protected immediately against damage, ultraviolet degradation and temperature extremes with one of the following material:

- Parapet flashing surface mounted counter flashing.
- Insulation boards for inverted or protected membrane roof, or other approved protection.



10 Floor Coating

Enhance the durability, safety, and aesthetics of your floors with Mezan UAE's Floor Coating solutions. Our high-quality coatings provide long-lasting protection against wear, chemicals, moisture, and heavy foot or vehicle traffic.

Why Choose Floor Coating?

- Durable & Long-Lasting
- Chemical & Water Resistant
- Slip-Resistant & Safe
- Aesthetically Appealing

Our Services Include:

- Surface preparation and cleaning
- Application of epoxy, polyurethane, or other protective coatings
- Industrial, commercial, and residential floor solutions
- Post-application inspection and maintenance

Mezan UAE Expertise:

Our professional team ensures precise floor coating installation, delivering surfaces that are not only durable and safe but also visually appealing and easy to maintain.



GRP Lining

Protect your water tanks, swimming pools, and chemical storage areas with Mezan UAE's GRP (Glass Reinforced Plastic) Lining solutions. GRP lining provides a durable, corrosion-resistant barrier that ensures long-lasting performance and leak-free protection.

Why Choose GRP Lining?

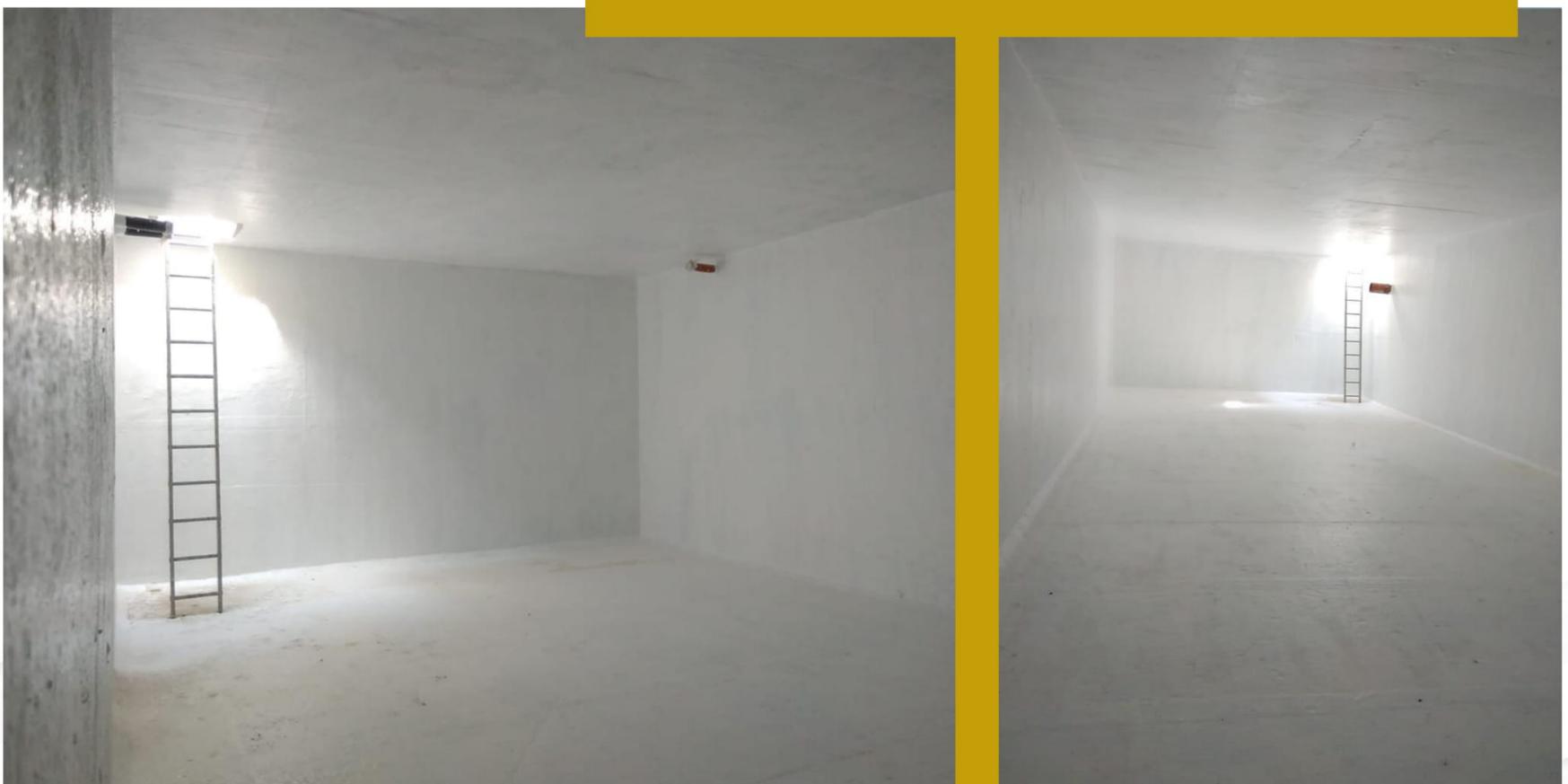
- Corrosion & Chemical Resistant
- Durable & Long-Lasting
- Leak-Free Protection
- Versatile Applications

Our Services Include:

- Surface preparation and cleaning
- Application of high-quality GRP layers
- Seamless lining for water and chemical storage systems
- Inspection, maintenance, and post-installation support

Mezan UAE Expertise:

Our team ensures precise GRP lining installation using premium materials and proven techniques, delivering reliable, durable, and leak-free solutions for your property or industrial facility.





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