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Waterproofing Services

MUHTAWA
For Contracting

4 Waterproofing Services

We provide advanced and comprehensive waterproofing solutions designed to protect concrete structures, steel elements, and foundations from water ingress and moisture two of the main causes of premature asset deterioration and 0reinforcement corrosion.

Integrated Waterproofing Methodology

We view waterproofing not as a single coating, but as a complete protection system that begins with precise surface preparation and ends with a durable final layer. We rely on high-performance, chemically resistant materials (HPPC) to ensure long-lasting performance even in the harshest environments.

Waterproofing Systems We Offer

Resin-Based Waterproofing (Epoxy & Polyurethane)

Epoxy forms a high-density, chemically resistant waterproof barrier ideal for floors and tanks.Polyurethane provides a flexible, tear-resistant membrane suitable for moving surfaces and under-tile applications.

Cementitious Waterproofing

Enhanced cementitious materials that create a strong barrier capable of resisting both positive and negative water pressure commonly used in foundations, underground tanks, and swimming pools.

Liquid Applied Membranes (LAM)

Seamless liquid membranes that cure into a continuous waterproof layer capable of conforming to complex details and corners.An excellent solution for sloped roofs and terraces.

Primary Application Areas

1 Infrastructure:

metro tunnels, bridges, underground parking structures.

2 Industrial Facilities:

factory floors, chemical tanks, sedimentation basins.

3 Residential & Commercial Buildings:

roofs, bathrooms, swimming pools, underground water tanks.

4 Oil, Gas & Petrochemical Facilities:

where resistance to water and chemicals is critical.

Application Excellence (Professional Methodology)

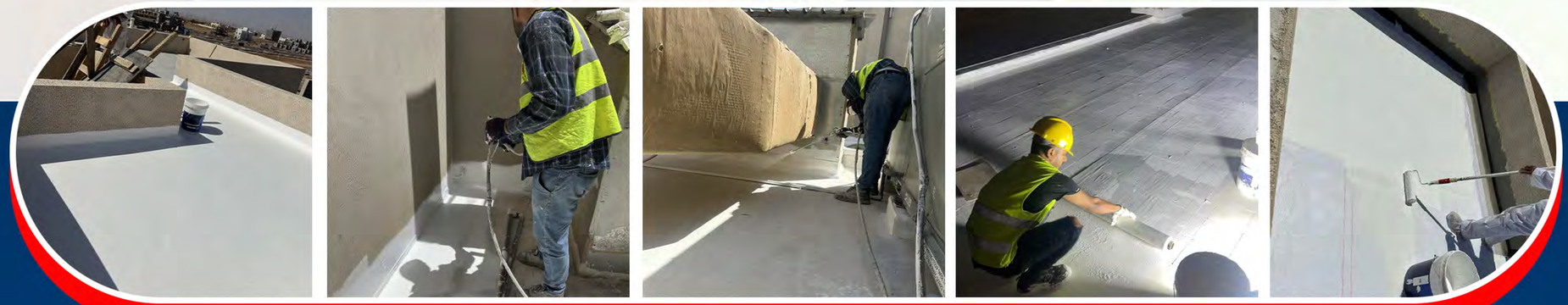
The success of any waterproofing system depends up to **70%** on proper surface preparation and precise application. Therefore, we strictly follow the steps below:

Concrete Surface Preparation

Surface preparation is carried out according to SSPC-SP13 / NACE 6 or ICRI CSP 2–3 using sandblasting or mechanical grinding to ensure a sound, textured substrate for optimal adhesion.

Environmental Condition Monitoring

We verify that both surface and ambient temperatures are above 5°C, the dew point differential is appropriate, and concrete moisture content is below 4% before application.

Multi-Layer System Application

We apply a full system consisting of a primer followed by multiple waterproofing layers, with an optional tocoat when required to ensure strong, long-lasting protection.