Pool and Spa Waterproofing & Repair

A Dynamic Systems Approach to Waterproofing & Repair

- Pool & Spas
- Fountains
- Planter Boxes
- Reservoirs
- Dams & Spillways
- Foundation Walls
- Water Features
- Water Containment Structures
Substrate
PVC pipe surface prep
Cant bead of Polyurethane joint sealant
#30 Oven dry sand
Water plug hydraulic cement
10" Poly Fabric embedded into Miraflex Membrane C
Miraflex Membrane C - first coat applied @ 30 mils
Miraflex Membrane C - second coat applied @ 30 mils

Drain Pipe

Change In Plane
BC Pro
Miraflex Membrane C
Second coat applied @ 30 mils
Miraflex Membrane C
First coat applied @ 30 mils
10" Poly Fabric embedded into Miraflex Membrane C
Neat to feather at edges
#30 Oven dry sand
Cant bead of polyurethane joint sealant
Existing crack

Crack Repair
BC Pro
Miraflex Membrane C
Second coat applied @ 30 mils
Miraflex Membrane C
First coat applied @ 30 mils
10" Poly Fabric embedded into Miraflex Membrane C
Neat to feather at edges
#30 Oven dry sand
Cant bead of Polyurethane sealant
Existing crack

Pool Plaster
BC Pro
Membrane C
Gunite, Shotcrete or Concrete Substrate

MiraPrime
Aqua-Blok XL

Pool & Spa Waterproofing & Restoration Systems
**Miracote BC PRO - Bond Coat/Rigid Cementitious Waterproofing**

**WHERE TO USE:**
- Pools & Spas
- Raised Bond Beams
- Fountains, ponds & water features
- Dams, reservoirs, spillways & troughs.
- Tunnels, retaining walls, elevator pits and foundations.
- Water, wastewater and secondary containment structures.
- Horizontal, vertical, above and below grade applications.
- Waterproofing protection for concrete, brick and masonry.
- Filler for “bug holes” & parge coat for a smooth finish.

**ADVANTAGES:**
- Single component - Just add water.
- Available in white – easier to work with on hot days.
- Economy and performance in one package.
- Enhanced bonding capabilities.
- Vapor permeable – allows concrete to “breathe.”
- Excellent freeze/thaw resistance.
- Suitable for use in positive and negative side applications.
- Ideal bond coat between a cementitious waterproofing and plaster.
- Provides balanced hydration during plastering process.
- Eliminates excessive substrate preparation.
- Saves time and money in labor and equipment costs.
- Significantly reduces pool plaster delamination problems.
- Low VOC – Meets LEED Criteria.
- Can be integrally pigmented to match various plaster finishes.

**Mirapatch WP - Hydraulic Repair Mortar:**

**WHERE TO USE:**
- Stop water seepage and active leaks.
- Grout for anchors and other mechanical connections.
- Quick repair for minor defects and voids in concrete.
- Precast concrete pipe repairs.
- Interior and exterior in full immersion service conditions.
- Horizontal, vertical and overhead surfaces.
- Water & wastewater plants and sewers.
- Foundations, basements, tunnels and sumps.
- Pools, fountains and other water features.

**ADVANTAGES:**
- Fast-setting, rapid strength gain.
- Shrinkage-compensated for controlled expansion.
- Single component formulation – just mix with water.
- Does not contain chloride, gypsum or metallic materials.
- Excellent adhesion to concrete and masonry.
- Easily molded and applied into leaking cracks and voids.
- Apply subsequent coatings in 20 to 30 minutes.

**MiraPrime Aqua-Blok XL - Condition Substrate**

**WHERE TO USE:**
- Waterproofs concrete, mortar and other cementitious structures.
- Over occupancy concrete pools, spas & water features.
- Water reservoirs and containment pits.
- Concrete slabs, walls & foundations.
- Retaining walls and basements.
- Parking structures, columns & walls.
- Sidewalks, balconies & breezeways.
- Masonry & stone structures.

**ADVANTAGES:**
- Deep penetration into concrete substrates 2” – 4”.
- Water thin micro-crystalline technology – penetrates fast.
- Purges/expels embedded chlorides and blocks re-entry.
- Enhances concrete physical properties – maintains breathability.
- Significantly reduces migration of efflorescence.
- Application from positive or negative side.
- Significantly reduces moisture vapor emissivity.
- Hydrophilic moisture barrier – resists hydrostatic pressures.
- Permanent and self-healing integral waterproofing.
- Enhanced protection of reinforcing steel to corrosion.
- Will not sustain mold, mildew or fungal growth.
- Non-toxic, low odor and environmentally safe.
- Cures, seals, densifies and hardens new/existing concrete.

**MiraFlex Membrane C - Flexible Cementitious Waterproofing**

**WHERE TO USE:**
- Interior and exterior – above and below grade.
- Below grade positive side waterproofing.
- Planter box and foundation waterproofing.
- Plaza decks, balconies, pedestrian bridges, roof decks.
- Fountains, pools, spillways, storage and aquatic tanks.
- Crack isolation/waterproofing under Miracote flooring systems.
- Waterproofing under tile and other composition flooring.
- Applied to horizontal, vertical and overhead surfaces

**ADVANTAGES:**
- NFS-61 Certified for use in potable water.
- Permanent high flexibility – does not age harden.
- Carbon dioxide barrier – prevents concrete carbonation.
- Protects against de-icing salts, chlorides, sulphates.
- Superior UV resistance and stability.
- Vapor permeable membrane - breathable.
- Ideal for interior and exterior stand-alone exposure.
- Excellent resistance to abrasion, wear and impact.
- Suitable for application on moist or damp substrates.
- Crack isolation membrane – reduces reflective cracking.
- Compatible with cementitious thin-set mortars.
- Wide range of available colors when using white powder.
- Green technology – environment friendly, LEED-compliant.
- Smooth powder blend available for a finer finish.
I chose Miracote because of quality and exceptional hands on service. Our pool deck project at Paris Resorts was a success and I would recommend Miracote to any Resort or Hotel property looking to restore pool decks, pathways, or any project Miracote can help with.

Del Butterbaugh, Paint Shop Foreman
Paris Las Vegas Hotel & Casino