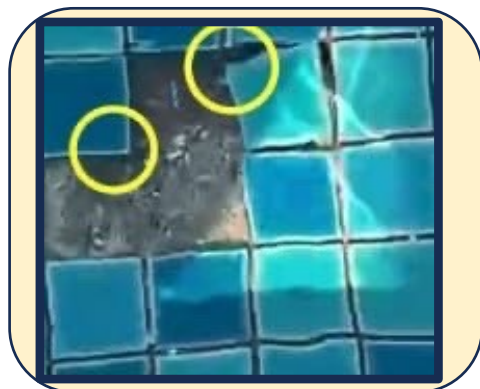




Teson TMS-100 Application Reference



1. Pool Tile Damage:

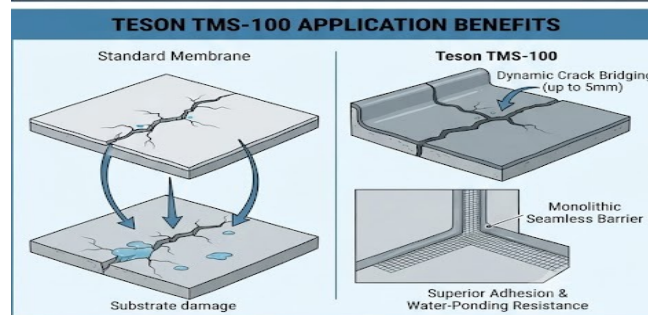
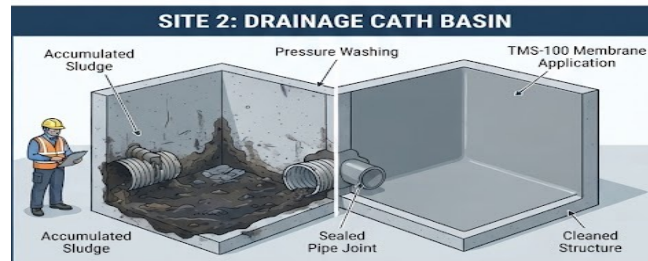
- The surface features missing tiles and exposed underlying substrate or plaster.
- Repair requires draining/lowering the water, cleaning and patching the substrate, and applying waterproof adhesive and grout to replacement tiles.

2. Drainage Structure / Catch Basin:

- The inspection reveals a precast utility vault or catch basin filled with accumulated sludge, grease, and standing water.
- Maintenance involves debris removal, high-pressure washing of the interior walls, and structural inspection.

3. Teson TMS-100 Waterproofing:

- Acts as an effective solution for waterproofing and leak troubleshooting across horizontal and vertical surfaces.
- Offers high crack-bridging capability, excellent water-ponding resistance, strong adhesion, and a simple one-component application process



TESON TMS-100: TROUBLESHOOTING & LEAK SEALING SOLUTIONS

1. High Crack-Bridging Capability

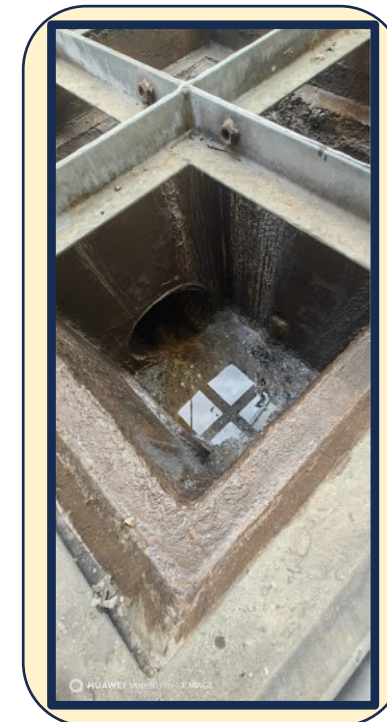
- **The Issue:** Leaks frequently stem from hairline or structural concrete cracks caused by building movement or weathering.
- **TMS-100 Solution:** It offers dynamic crack-bridging performance for gaps up to **5 mm wide**, making it robust enough to seal minor structural fractures without tearing or failing.

2. Versatility Across Horizontal and Vertical Surfaces

- **The Issue:** Leaks occur in complex geometries—ranging from flat horizontal roof decks and balconies to vertical exterior/interior basement retaining walls and connection joints.
- **TMS-100 Solution:** Because it is a thixotropic (non-slump) alpha hybrid polymer, it can be applied seamlessly on vertical walls without sagging, as well as on flat horizontal slabs.

3. Water-Ponding Resistance

- **The Issue:** Poor drainage often causes water to pool on flat roofs or balconies, which breaks down standard waterproofing coatings over time and creates leaks.
- **TMS-100 Solution:** The membrane is explicitly engineered to pass rigorous **water ponding tests**, ensuring it does not degrade or re-emulsify when subjected to standing water.



4. Simplified Application Procedure on Site

- **One-Component System:** Requires no complex mixing on-site, reducing human error during preparation.
- **Fast Curing & Rain Resistance:** Features a tack-free time of about 30 minutes, full curing within 24 hours, and quick rain resistance, minimizing downtime if weather conditions are unpredictable.
- **Strong Adhesion:** It readily adheres to various common construction substrates (concrete, masonry) using a standard roller or brush, often without requiring a separate primer



The **Teson TMS-100** (Alpha Hybrid Waterproofing Membrane) is an effective, high-performance solution for troubleshooting and fixing leaks across various structural application sites (such as flat roofs, balconies, gutters, and basement walls) due to its specialized material properties. Effectively troubleshooting and sealing leaks with TMS-100 involves the following key steps and advantages:



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