BACKGROUND
The newly-constructed Amain Boutique Hotel in Tucheng City, Taipei consists of 71 rooms on 5 floors on a foundation of 1700m² (18,299ft²). The specifiers planned to waterproof the above-grade structure after all the concrete had cured.

The Amain Boutique Hotel contains numerous wet areas including ponds, hot tubs and pools. These areas, along with all bathroom areas needed to be waterproofed using an aesthetic and simple solution that could easily be applied to the surface while providing long-term waterproofing, thus minimizing repair and maintenance costs.

SOLUTION
Kryton International’s Taiwan distributor, Poplar Co., Ltd. suggested using Kryton’s Krystol surface treatment system to waterproof all 3000m² (32,292ft²) of bathroom surfaces. After comparing several different surface-applied waterproofing systems, the Krystol surface treatment system was chosen because of the long-term benefits it provides. Not only do the waterproofing properties increase over time, they are also unaffected by surface wear and abrasions to the concrete. This translated into reduced maintenance and repair costs. Krystol Bari-Cote™, a fast-setting waterproof grout, was also used for all pipe penetrations.

These products use Krystal®, a proprietary integral crystalline technology that reacts chemically with concrete to form millions
of needle-like hydration crystals. The crystals grow deep into the capillary pores of concrete to block the passage of water permanently. Subsequent re-wetting of the surface will trigger the crystallization process, causing additional crystals to grow into the concrete.

**LOCATION**
Tucheng City, Taipei Hsien, Taiwan

**OWNER**
Sanyo Tiles Group Company

**APPLICATOR**
Tai-Wei Construction Company

**ARCHITECT**
Chen Architects

**CONTRACTOR**
Poplar Co., Ltd.

**DISTRIBUTOR**
Poplar Co., Ltd.