

# 聚脲泳池系统

## MPU<sup>®</sup> POLYUREA POOL SYSTEMS

Third-Generation Polyurea Pool Coating provides up to 25 years of durability. It can be applied airless or with a brush, ensuring a seamless, waterproof finish that prevents leaks. Additionally, it resists pool chemicals and UV rays.



MPU<sup>®</sup> COATINGS

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# The Perfect Solution For Swimming Pool Waterproofing



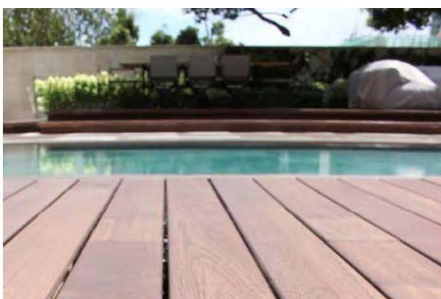
The MPU® Coatings modified silane polyurea series involves the silane graft modification of PU prepolymers. This product uses a two-component curing system with polyaspartic esters. The side-chain silane reacts with air and trace moisture on the substrate surface, releasing active silanol groups.



## Timber Decks Protection

Polyaspartic QuickCoat Base Protect Crystal(Clear):

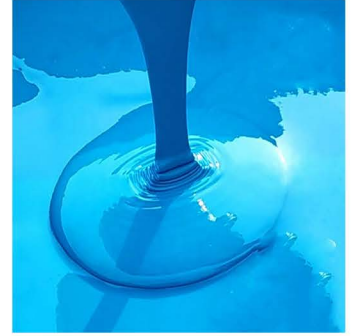
- Protection of wooden teak panels
- Furniture protection
- Prefab bathrooms
- Shiny and matt finish available



## Swimming Pool Flooring

Option 1: Self-Leveling M04T-UV  
Base Coat + Self-Leveling

- **High Flowability:** This self-leveling material exhibits excellent flowability, enabling it to naturally spread and fill uneven areas on the floor, creating a smooth and even surface. Unlike other self-leveling products, M04T-UV addresses capillary issues with superior sealing properties, eliminating the need for a sealing topcoat.
- **Easy Application:** The application process is straightforward and quick. Simply mix the self-leveling material in the recommended ratio, pour it onto the floor, and let it level itself.
- **Smooth Finish:** The treated floor will achieve a high level of flatness and smoothness without the need for additional sanding or polishing.
- **High Strength:** Once cured, the self-leveling material offers high strength, elasticity, and wear resistance.
- **Quick Curing:** The material cures rapidly, typically reaching walkable strength within 24 hours and allowing for subsequent construction within 72 hours.
- **UV Resistance:** With excellent UV resistance, it can withstand intense sunlight and aging.
- **Recommended Usage:** Base Coat: 0.15-0.5 kg/ m<sup>2</sup>  
Self-Leveling: 1-2 kg/ m<sup>2</sup>



## Swimming Pool Flooring

Option 2: Primer EW02 + Intermediate Coat M02T + Top Coat M06T-UV

- **Polyurea Primer:**
  - **Function:** The primer layer is designed to seal the substrate surface, enhance adhesion, and provide a solid foundation for subsequent coatings.
- **Polyurea Intermediate Coat:**
  - **Function:** The intermediate coat increases the overall thickness and mechanical strength of the coating, smoothens surface irregularities, and offers a seamless transition layer.
- **Polyurea Top Coat:**
  - **Function:** The top coat serves as the final decorative and protective layer, delivering the desired aesthetic finish and surface properties.
- **Recommended Usage:** Primer: 0.15-0.5 kg/ m<sup>2</sup>  
Intermediate Coat: 0.2-2 kg/ m<sup>2</sup>  
Top Coat: 0.1-0.25 kg/ m<sup>2</sup>



## Pool Wall

Primer EW02 + Top Coat M06T-UV

### Polyurea Primer:

**Function:** The polyurea primer is used to seal and close the substrate surface, enhancing the adhesion of subsequent coatings.

Polyurea Thin Coat:

**Function:** The polyurea thin coat serves as the final decorative and protective layer, providing an aesthetically pleasing finish and enhanced performance.

**Recommended Material Usage:** Primer: 0.15-0.5 kg/ m<sup>2</sup>  
Top Coat: 0.1-0.25 kg/ m<sup>2</sup>

### ⚠ Important Note:

After completing one process step, the next step should be covered within 24 hours. If conditions are not sufficient, the substrate must be sanded before the next step and covered as soon as possible. For pool surfaces, it is recommended to use a self-leveling method, which reduces the number of steps, significantly lowering the operational difficulty and risk.

