

MPU Repair Series



【Floor】

T06W Polyurea Quartz Sand
Floor Coating System

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Common quality issues with traditional paving stone flooring

Outdoor plazas serve as the “face” of commercial, civic, and cultural tourism projects. While paving stones are commonly used, they often crack, darken, or become damaged after prolonged foot and vehicle traffic and weather exposure—posing both aesthetic and safety risks such as tripping or tire damage.



Slippery surface prone to slips and falls



Cracking and damage



Mold growth and darkening



Efflorescence and whitening

Frequent Problems in Paving Applications



Permeable brick

Prone to breakage and cracking, color fading, mildew - forming, and poor stain - resistance.



Marble tile

Prone to breakage and cracking, easy to get dirty and difficult to clean, with efflorescence releasing white bloom.



Ceramic tile

Prone to breakage and cracking, poor anti - slip performance, with efflorescence releasing white bloom.

Common Problems Of Paving Stone Materials

Want a plaza ground that's both grand and aesthetically pleasing?

Need it to be slip - resistant and easy to clean?

Require durability and resistance to cracking?

Demand simple construction and high - cost performance?

Choose **MPU T06W Polyurea Crystal Sand Floor Coating System.**

It solves all these problems at once!

Product Overview

ColorZen T06W Polyurea Crystal Sand Floor Coating solves common problems of plaza and pavement paving stones, such as easy fracture, slipperiness when wet, dirt - intolerance, difficult cleaning and maintenance.

The solid - sand layer uses polyurea coating, which has anti - cracking and compression - resistant functions, effectively suppressing problems like ground cracking and damage.

The top - coat layer adopts polyurethane ultra - wear - resistant coating. Its surface properties are not only ultra - wear - resistant and scratch - resistant, but also ensure easy cleaning and non - slipperiness.



Floor Repair Materials

T06W Polyurea Crystal Sand Floor Coating System

⑥ Top - coat layer

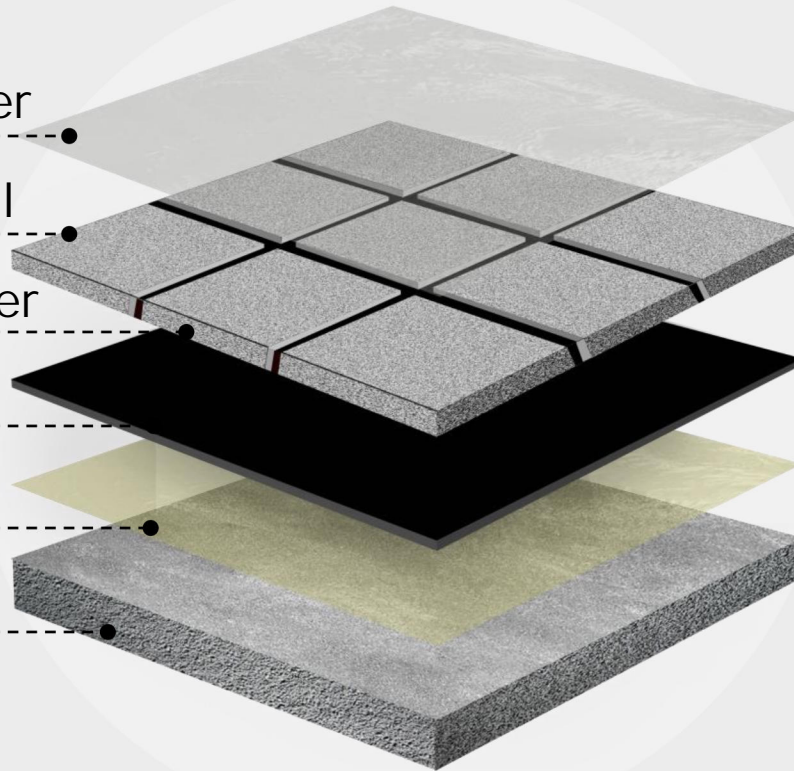
⑤ Colorful crystal

④ Solid-sand layer

③ Solid-sand layer

② Primer

① Foundation



Anti - slip



Compression
resistant



Stain
resistant



Durable



User
friendly

Core Advantage 1: Anti - slip

Ensures stable standing and walking in both dry and wet environments.

Detection Items	National Standard Requirements	Enterprise Standard Requirements
Anti - skid property (BPN value)	High - anti - skid type: $BPN \geq 70$	High - anti - skid type: $BPN \geq 70$
Dry friction coefficient	≥ 0.50	≥ 0.70
Wet friction coefficient	≥ 0.70	≥ 0.70



Core Advantage 2: Compression - resistance

High compressive strength, capable of withstanding heavy loads and impacts.

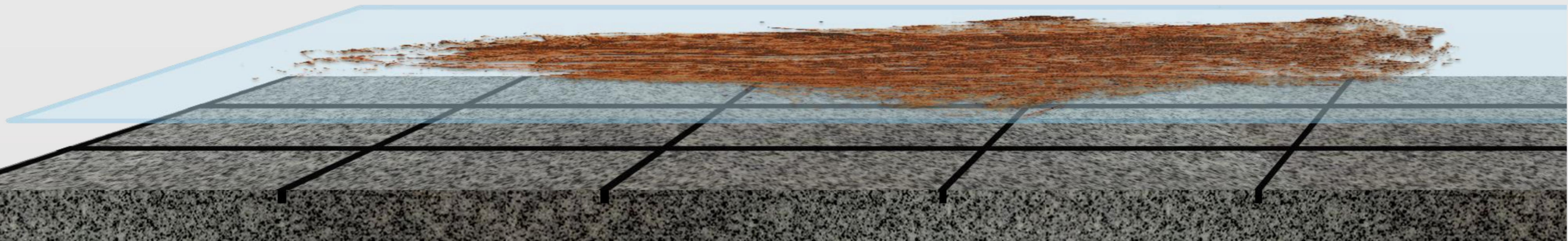
Detection Items	National Standard Requirements	Enterprise Standard Requirements
Compressive strength	≥ 45	≥ 65
Impact resistance, heavy load (1000g steel ball)	When a 1000g steel ball falls freely from a height of 1m, the coating film has no cracks or peeling.	When a 1000g steel ball falls freely from a height of 2m, the coating film has no cracks or peeling.
Shore hardness type D	By negotiation	≥ 60



Core Advantage 3: Stain - resistance

Resistant to oil stain penetration

Detection Items	National Standard Requirements	Enterprise Standard Requirements
Oil resistance (120# solvent naphtha, 72h)	No blistering, peeling or color - change.	No blistering, peeling or color - change.



Core Advantage 4: Durability

Resistant to aging, abrasion - resistant, and resistant to acid and alkali

Detection Items	National Standard Requirements	Enterprise Standard Requirements
Abrasion resistance	< 0.030g	0.02g
Alkali resistance (20% NaOH, 72h)	No blistering, peeling or color - change.	No blistering, peeling or color - change.
Acid resistance (10% H₂SO₄, 48h)	No blistering, peeling or color - change.	No blistering, peeling or color - change.
Artificial accelerated weathering resistance	After 1200 h of artificial accelerated aging test, the coating on the test plate shall not crack or peel; slight powdering and color - change are allowed.	After 1200 h of artificial accelerated aging test, the coating on the test plate shall not crack or peel; no powdering and color - change.
Low - temperature crack resistance of coating	Keep at - 10 °C for 4h, and place at room temperature for 4h as one cycle. After three consecutive cycles, there should be no cracks.	Keep at - 10 °C for 4h, and place at room temperature for 4h as one cycle. After three consecutive cycles, there should be no cracks.



Core Advantage 5: Rapidness
Convenient construction and easy to shape



Step 1:
Foundation treatment



Step 2:
Line base color

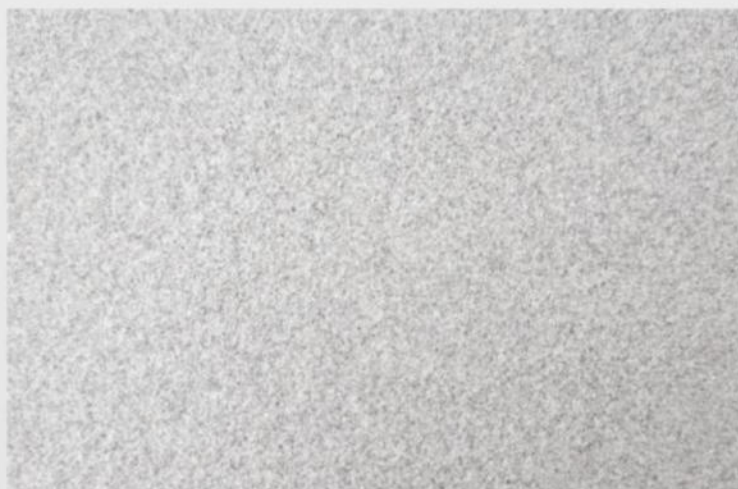


Step 3:
Colorful surface layer

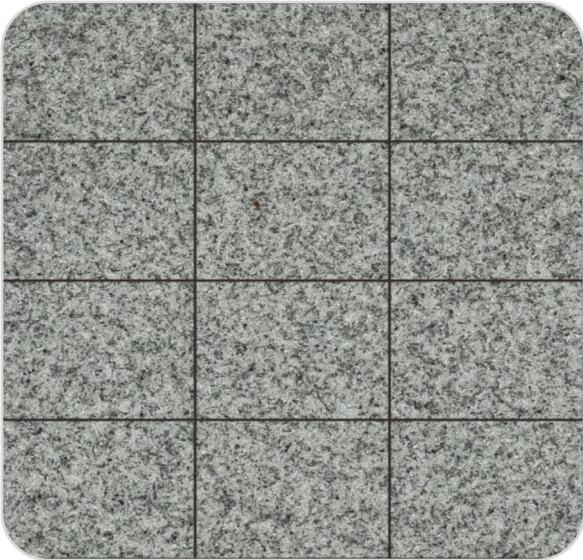


Step 4:
Top - coat layer

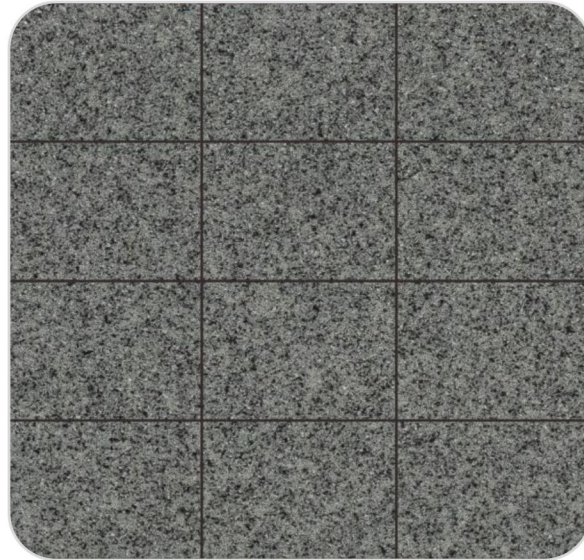
Effect display



Standard color (stone series)



Off-white



Sea gray



Black gold