

# METAWELL

since 2006

Customized Solution for All Kinds of Project



**Waterproofing System**



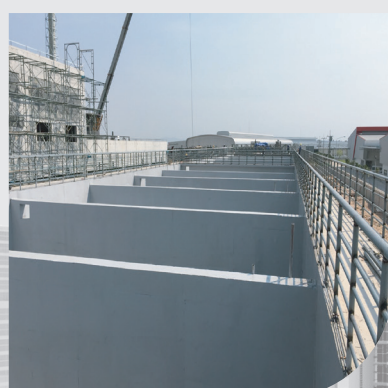
**Epoxy System**



**Polyurethane System**



**Corrosion Protection System**



Specification Reference

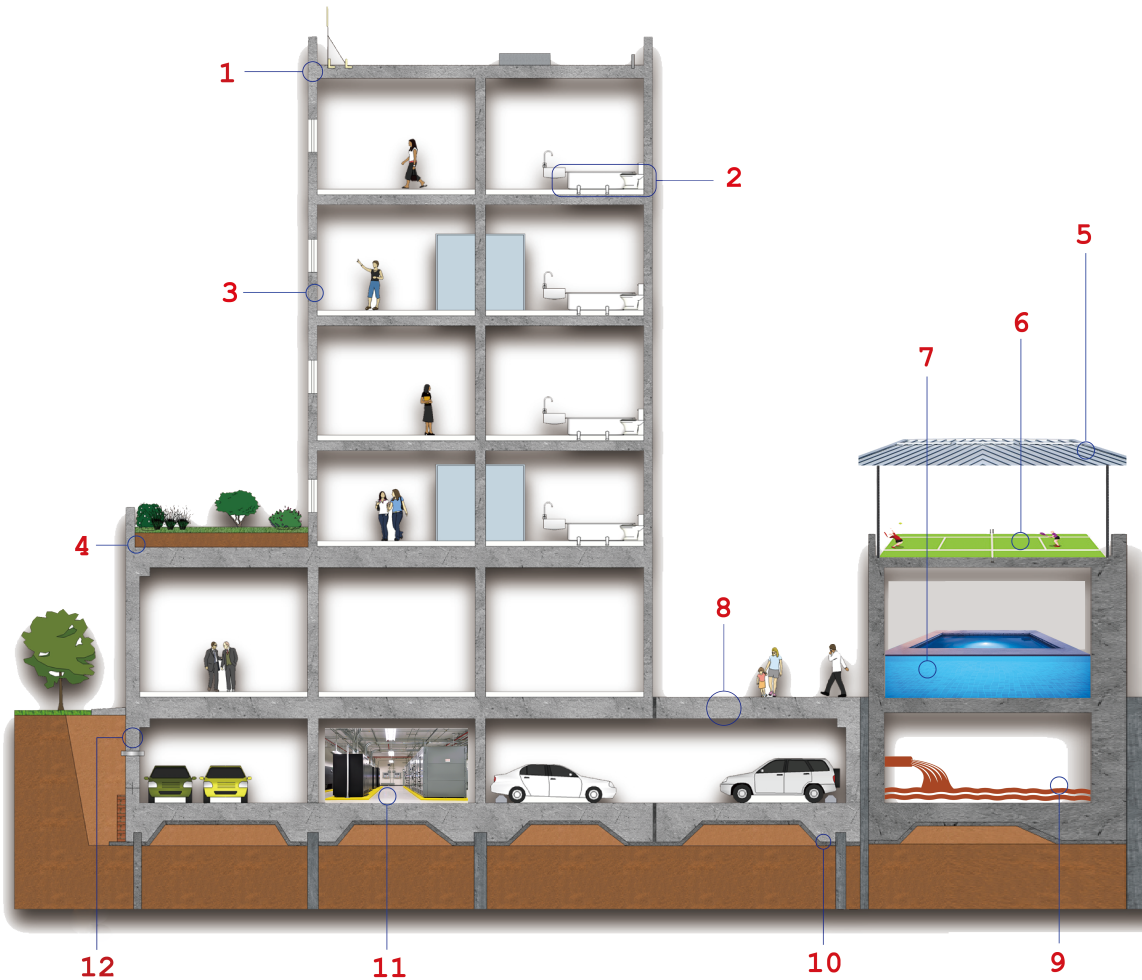


## Metawell History



**Metawell** has been providing professional services since 2006. We are a leading manufacturer in coating materials including: Epoxy, PU, waterproof products, and other materials for different kinds of projects. Our company's head office and factory are located in Lamlukka, Pathumthani. With more than 20 years of experience, we have a number of well-experienced production teams and installation teams to ensure and meet clients' requirements. In order to ensure our quality, we also hold an international quality certification of ISO 9001:2008. Metawell believe that our clients' satisfaction is our top priority.

บริษัท เมทอะเวล จำกัด ได้เริ่มดำเนินกิจการตั้งแต่ปี พ.ศ. 2549 เพื่อที่จะให้บริการผลิตสินค้าในด้านระบบเคลือบพื้นอีพ็อกซี(Epoxy), โพลียูรีเทน(PU), ระบบกันรั่วซึม ภายในและภายนอก, สนามกีฬา, พื้นปอนกันไฟฟ้าสถิตย์, และอื่นๆ โดยทีมงานนักเคมีที่มีประสบการณ์และความชำนาญเฉพาะทาง พร้อมทั้งได้รับการฝึกอบรมและฝึกฝนจากผู้เชี่ยวชาญ และมีความรู้เป็นพิเศษในด้านพื้นโดยเฉพาะอีกด้วย เพื่อควบคุมรักษาคุณภาพผลิตภัณฑ์ และเพื่อเป็นการสร้างความเชื่อมั่นในการเลือกใช้บริการจากลูกค้า ทางบริษัทฯ ดำเนินการทดสอบบริการคุณภาพ ISO 9001:2008 มาเพื่อให้บริการกับลูกค้าของเรา



## 1. Roof / Balcony Waterproofing

MW - AR 502	P - p. 2
MW - MB 601	P - p. 3
MW - TP 1200	P - p. 3
MW - PU 314	S - p.36

## 2. Bathroom Waterproofing

MW - PU 959	P - p. 2
MW - AR 503	P - p. 3

## 3. Wall Coating

MW - AR 511	P - p. 7
MW - SB 100	P - p. 7
MW - 3341	P - p.10
MW - SLC-1	P - p.13

## 4. Roof with Vegetation

MW - TP1200	P - p. 3
MW - MB602	P - p. 3

## 5. Metalsheet Heatblock Coating

MW - AR 501 Ceramic Coating	P - p. 2
-----------------------------	----------

## 6. Sport Court

MW - PU 312	S - p. 24
MW - AR 504s	P - p. 14

## 7. Swimming Pool Waterproofing

MW - AR 503	P - p. 3
MW - PVC Water Stop	P - p. 5
MW - MB Water Stop	P - p. 5
MW - PU Seal	P - p. 5

## 8. In/out-door & Car Park Flooring

MW - 3331	P - p. 10
MW - PU 301	P - p. 11
MW - PU 302	P - p. 11
MW - Wellcrete CB	P - p. 12

## 9. Wastewater Tank

MW - 3321	P - p. 10
MW - VE 901	P - p. 11
MW - 3311T	P - p. 11

## 10. Basement/Wall Waterproofing

MW - PU 959	P - p. 2
MW - TP1200	P - p. 3
MW - MB 603PU	P - p. 4
MW - MBP	

## 11. Electrical Control Room

MW - 8541 ESD	P - p. 9
MW - 8341 ESD	P - p. 9

## 12. Grouts and Repairs

MW - 2221 IG	P - p. 6
MW - PU320 IG	P - p. 6
MW - 2211 RG	P - p. 6

# CONTENT

## EPOXY SYSTEM

<b>Metawell - EP101</b>	Water-based Epoxy Floor & Wall Coating	0.2 mm.	<b>1</b>
<b>Metawell - EP102</b>	Solvent-based Epoxy Floor & Wall Coating	0.25 mm.	<b>2</b>
<b>Metawell - EP103</b>	Solvent-based Epoxy Mortar Floor Coating	2-3 mm.	<b>3</b>
<b>Metawell - EP104</b>	Epoxy Self Leveling Coating	2-3 mm.	<b>4</b>
<b>Metawell - EP105</b>	Epoxy Heavy-duty Coating	4-6 mm.	<b>5</b>
<b>Metawell - EP106</b>	Epoxy Cementitious Floor Grouts	2-3 mm.	<b>6</b>

## ANTISTATIC & CONDUCTIVE SYSTEM

<b>Metawell - EP107ESD</b>	Anti Static & Conductive Flooring Epoxy Coating	2-3 mm.	<b>7</b>
<b>Metawell - EP108ESD</b>	Anti Static & Conductive Flooring Epoxy Self Leveling Coating	2-3 mm.	<b>8</b>

## DECOR SYSTEM

<b>Metawell - EP109</b>	Epoxy Color Quartz Scatter System	3-6 mm.	<b>9</b>
<b>Metawell - EP110</b>	Epoxy Tank Stone Terrazzo System	6-8 mm.	<b>10</b>
<b>Metawell - EP111</b>	Epoxy Terrazzo System	3-6 mm.	<b>11</b>

## POLYURETHANE SYSTEM FOR EXTERNAL USE

<b>Metawell - PU301</b>	PU Coating UV Resistant System	0.25 mm.	<b>12</b>
<b>Metawell - PU302</b>	PU Coating Self-smoothing System	2-3 mm.	<b>13</b>

## POLY METHYL SYSTEM FOR EXTERNAL USE

<b>Metawell - MMA 201</b>	PMMA Terrazzo System	4-6 mm.	<b>14</b>
<b>Metawell - MMA 202</b>	PMMA Parking Space	2-3 mm.	<b>15</b>
<b>Metawell - MMA 203</b>	PMMA Parking Space	4-6 mm.	<b>16</b>

## EPOXY SYSTEM FOR CAR PARK

<b>Metawell - EP112</b>	Water-based Epoxy Coating for Car Park	0.35 mm.	<b>17</b>
<b>Metawell - EP113</b>	Solvent-free Epoxy Coating for Car Park	2-3 mm.	<b>18</b>

## POLYURETHANE/CEMENT-BASED SYSTEM

<b>Metawell - A-Crete SF</b>	Cementitious Urethane	3 mm.	<b>19</b>
<b>Metawell - A-Crete MF</b>	Cementitious Urethane	4-6 mm.	<b>20</b>
<b>Metawell - A-Crete HF</b>	Cementitious Urethane	6-12 mm.	<b>21</b>
<b>Metawell - A-Crete Terrazzo</b>	PU Terrazzo System	6-9 mm.	<b>22</b>

### IMPORTANT NOTICE

The necessary care was taken while compiling technical data for the company's products. However all recommendations or suggestions relating to the use of these products are made without guarantee since the conditions under which the usage takes place are beyond the company's influence. It is incumbent upon the customer to satisfy himself that the products are suitable for the particular application and that the usage conditions for each product are appropriate. We also point out that only the latest version of the system data sheet is valid. It supersedes all previous data sheets. The stated technical data involve approximate values determined by us. They do not imply a warranty of properties. For full detailed datasheet, please kindly contact us.

## WATERPROOFING SYSTEM

### ***PU Waterproofing Material***

Metawell - PU311	PU Waterproof System for Internal Use	1.2-1.5 mm.	23
Metawell - PU312	PU Waterproof System for External Use	2-3 mm.	24

### ***Acrylic Waterproofing Material***

Metawell - AR501	Heat-blocking Waterproof System	0.2-0.3 mm.	25
Metawell - AR502	Acrylic Waterproof System	0.5-1 mm.	26
Metawell - AR503	Corrosion Protection System	1-2 mm.	27

### ***Modified bitumen Waterproofing Material***

Metawell - MB601	Bitumen based Membrane	3 mm.	28
Metawell - MB602	Self Adhesive with PE Finish Membrane	1.5 mm.	29

### ***PVC Waterproof Membrane Material***

Metawell - PP1200	PVC Waterproofing Membrane	1.2-2.0 mm.	30
-------------------	----------------------------	-------------	----

### ***TPO Waterproof Membrane Material***

Metawell - TP1200	TPO Waterproofing Membrane	1.2-2.0 mm.	31
-------------------	----------------------------	-------------	----

## CORROSION PROTECTION SYSTEM

Metawell - EP113	Epoxy Floor & Wall Coating System	0.25 mm.	32
Metawell - EP114	Tank and Lining Coating System	1-4 mm.	33
Metawell - VE401	High Chemical Resistant Vinyl Epoxy Coating System	0.35 mm.	34
Metawell - VE402	Corrosion Protecting Epoxy Coating System	1-4 mm.	35

## SPORTS SYSTEM

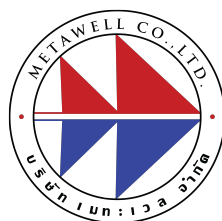
Metawell - PU314	Sport Court System	4-6 mm.	36
Metawell - PU315	Sport Track System	10-13 mm.	37

## WELLCRETE HARDENED FLOOR LIQUID SEALING SYSTEM

Wellcrete Polished Concrete Flooring System			38
---	--	--	----

## FLOOR HARDENER SYSTEM

Metawell - Quartz Floor Hardener	Premixed, Non-Metallic Monolithic Floor Hardener		39
----------------------------------	--	--	----



### IMPORTANT NOTICE

The necessary care was taken while compiling technical data for the company's products. However all recommendations or suggestions relating to the use of these products are made without guarantee since the conditions under which the usage takes place are beyond the company's influence. It is incumbent upon the customer to satisfy himself that the products are suitable for the particular application and that the usage conditions for each product are appropriate. We also point out that only the latest version of the system data sheet is valid. It supersedes all previous data sheets. The stated technical data involve approximate values determined by us. They do not imply a warranty of properties. For full detailed datasheet, please kindly contact us.



### Description

**Metawell - EP101** is a pigmented, water-based epoxy, hygienic floor & Wall sealer with a satin finish.

**Thickness : 0.2 mm.**

### Benefits

- Hygienic
- Vapor permeable; allows substrate to breath
- Can be applied to damp substrates such as green concrete
- Enhances appearance of working environment
- Solvent free
- Low odor
- Easy to clean and maintain

### Uses

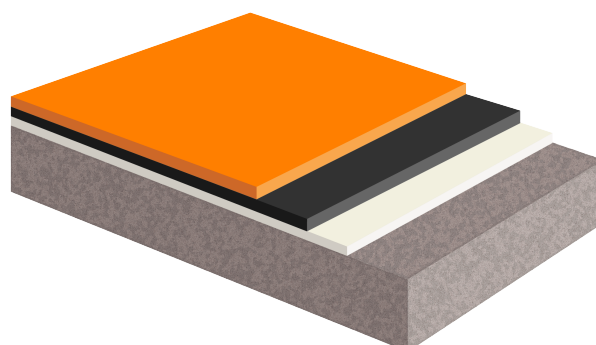
**Metawell - EP101** is suitable for use in food process areas, kitchens, light industrial areas, storerooms, light traffic, cleanrooms hospital walls and pedestrian areas.

### Speed of Cure

	10 °c	20 °c	30 °c
Light Traffic	24 hrs	12 hrs	8 hrs
Full Traffic	36 hrs	24 hrs	16 hrs
Full Chemical Cure	14 days	7 days	5 days

### Color Palette

The information is located in the Metawell color chart.



- Top coat
- Putty
- Primer
- Substrate



## Solvent-based Epoxy Floor & Wall Coating

### Description

**Metawell - EP102** is a high performance, low solvent type, glossy epoxy resin coating system designed to create an uniform "Orange Peel" surface texture.

**Thickness : 0.25 mm.**

### Benefits

- Hard wearing
- Enhanced slip resistance as compared to standard "smooth" coatings
- Abrasion resistant
- Attractive, light reflecting appearance
- Seamless and hygienic finish
- Low maintenance

### Color Palette

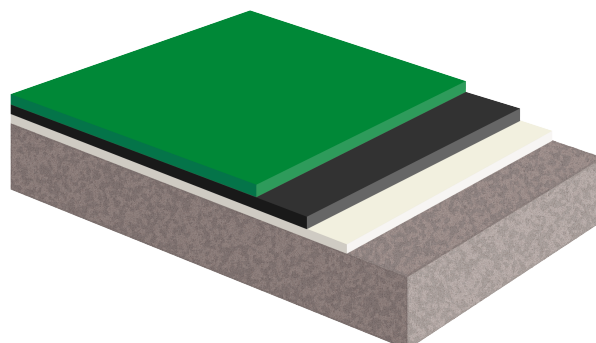
The information is located in the Metawell color chart.

### Uses

**Metawell-EP102** may be used as a hard wearing, protective, colored floor & walls coating in areas such as factories, warehouses, plants and storerooms cleanroom, hospitals where a combination of resistance, durability and improved slip resistance may be required.

### Speed of Cure

	10 °c	20°c	30 °c
Light Traffic	48 hrs	24 hrs	18 hrs
Full Traffic	72 hrs	48 hrs	36 hrs
Full Chemical Cure	12 days	7 days	6 days



- Top coat
- Putty
- Primer
- Substrate



## Metawell - EP103

### Solvent-based Epoxy Mortar Floor Coating

#### Description

**Metawell - EP103** is a high performance, low solvent type, glossy epoxy resin coating system designed to create an uniform "Orange Peel" surface texture. Hand troweled heavy duty epoxy underlayment for a variety specification.

**Thickness : 2-3 mm.**

#### Benefits

- Hard wearing
- Abrasion resistant
- Attractive, light reflecting appearance
- Seamless and hygienic finish
- Low maintenance
- Slip resistance finish can be tailored to specific client requirements

#### Uses

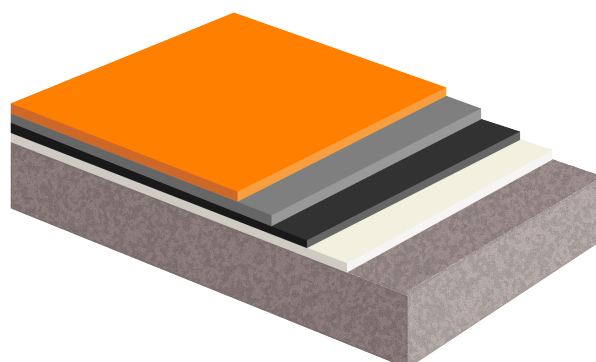
**Metawell - EP103** may be use as a hard wearing colored floor coating in areas such as factories, warehouses, storerooms, plant rooms, light production and process areas.

#### Speed of Cure

	10 °c	20°c	30 °c
Light Traffic	48 hrs	24 hrs	18 hrs
Full Traffic	72 hrs	48 hrs	36 hrs
Full Chemical Cure	12 days	7 days	6 days

#### Color Palette

The information is located in the Metawell color chart.



- Top coat
- Putty
- Middle
- Primer
- Substrate





### Description

**Metawell - EP104** is a self-smoothing, glossy epoxy resin floor generally applied at 2-3 mm.

**Thickness: 2-3 mm.**

### Benefits

- Attractive; enhances working environment
- Solvent free and low odor
- Hygienic and easy to clean
- Non-tainting, non-dusting
- Hard wearing floor finish
- Abrasion resistant
- Antistatic grade available
- High chemical resistance grade available

### Uses

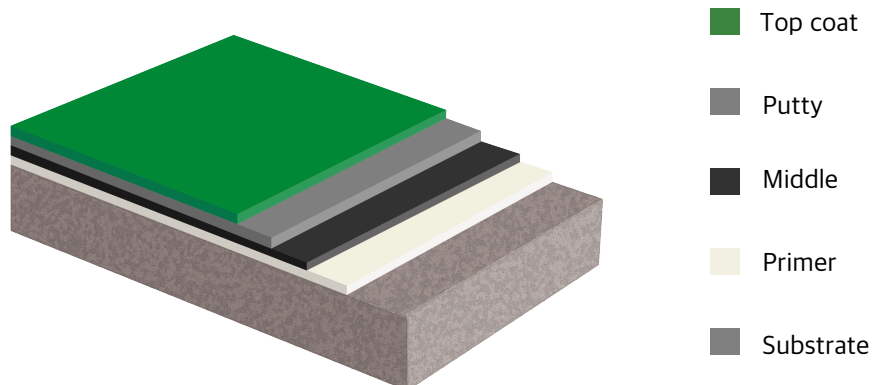
Dry process areas where the floor is subjected to foot, trolley, pallet truck and rubber wheeled forklift traffic. Typical uses include laboratories, clean room, warehouses and storage areas in pharmaceutical, electronic, aerospace, automotive and printing plants.

### Speed of Cure

	10 °c	20 °c	30 °c
Light Traffic	36 hrs	28 hrs	24hrs
Full Traffic	72 hrs	48 hrs	36 hrs
Full Chemical Cure	12 days	7 days	6 days

### Color Palette

The information is located in the Metawell color chart.





### Description

**Metawell - EP105** is heavy duty flooring for a variety of chemical resistant and hard-wearing floor finishes.

**Thickness : 4-6 mm.**

### Benefits

- High chemical resistance
- Solvent free and low odor
- Minimizes undulation
- Excellent impact resistance
- Seamless, hygienic finish
- Power trowel application produces dense, flat screed finish

### Color Palette

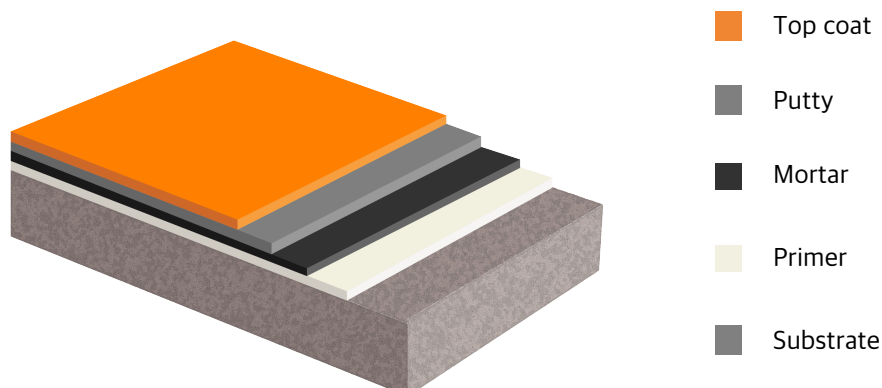
The information is located in the Metawell color chart.

### Uses

**MW - EP105** may be used as a heavy duty, underlayment for a variety of chemical resistant and hard-wearing floor toppings in wet and dry industrial, commercial and institutional environments subjected to high traffic, impact and chemical spills.

### Speed of Cure

	10 °c	20 °c	30 °c
Light Traffic	36 hrs	28 hrs	24hrs
Full Traffic	72 hrs	48 hrs	36 hrs
Full Chemical Cure	12 days	7 days	6 days





Metawell - EP106

## Epoxy Cementitious Floor Grouts

### Description

**Metawell - EP106** is a three-component, technically advanced self-smoothing epoxy-cement composite. It is applied to function as it is applied to function as damp proof underlayment under subsequent flooring finishes.

**Thickness : 2-3 mm.**

### Benefits

- Excellent adhesion to concrete & screeds
- Tolerates up to 100% relative humidity in a concrete or sand-cement screed substrate
- Chemically and mechanically compatible with concrete forming a monolithic structure
- Reduces substrate undulation
- Easy to apply ( self-smoothing )
- Low odor

### Color Palette

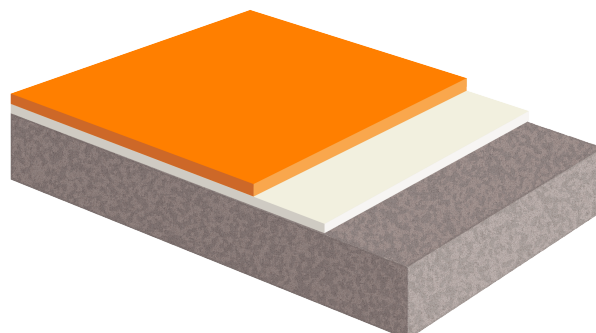
The information is located in the Metawell color chart.

### Uses

**Metawell - EP106** can be used as a breathable moisture vapor barrier to be overlaid with resin flooring finishes on substrates which do not have an effective damp proof membrane.

### Speed of Cure

	10°c	20 °c	30°c
Light Traffic	24 hrs	15 hrs	12 hrs
Full Traffic	4 days	3 days	2 days
Full Chemical Cure	12 days	7 days	5 days



- Top coat
- Primer
- Substrate



## Metawell - EP107ESD

### Anti Static & Conductive Flooring Epoxy Coating

#### Description

**Metawell - EP107ESD** is a conductive, hygienic, solvent-free electrostatic conductive epoxy floor coating in colored satin finish.

**Thickness : 2-3 mm.**

#### Uses

**Metawell - EP107ESD** is suitable for use in laboratories, cleanrooms, equipment testing areas, warehouses, electronic, aerospace, automotive printing and pharmaceutical plants subject to pedestrian and light traffic.

#### Benefits

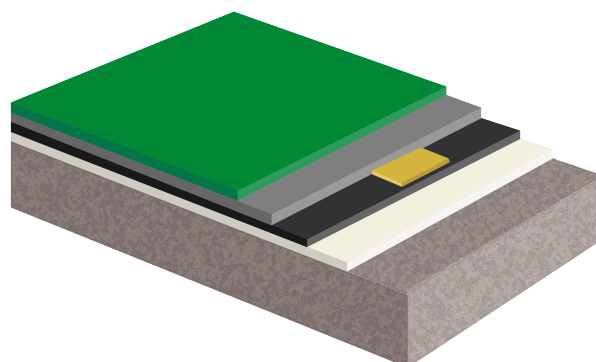
- Hygienic
- Enhances appearance of working environment
- Solvent free
- Low odor
- Easy to clean and maintain

#### Speed of Cure

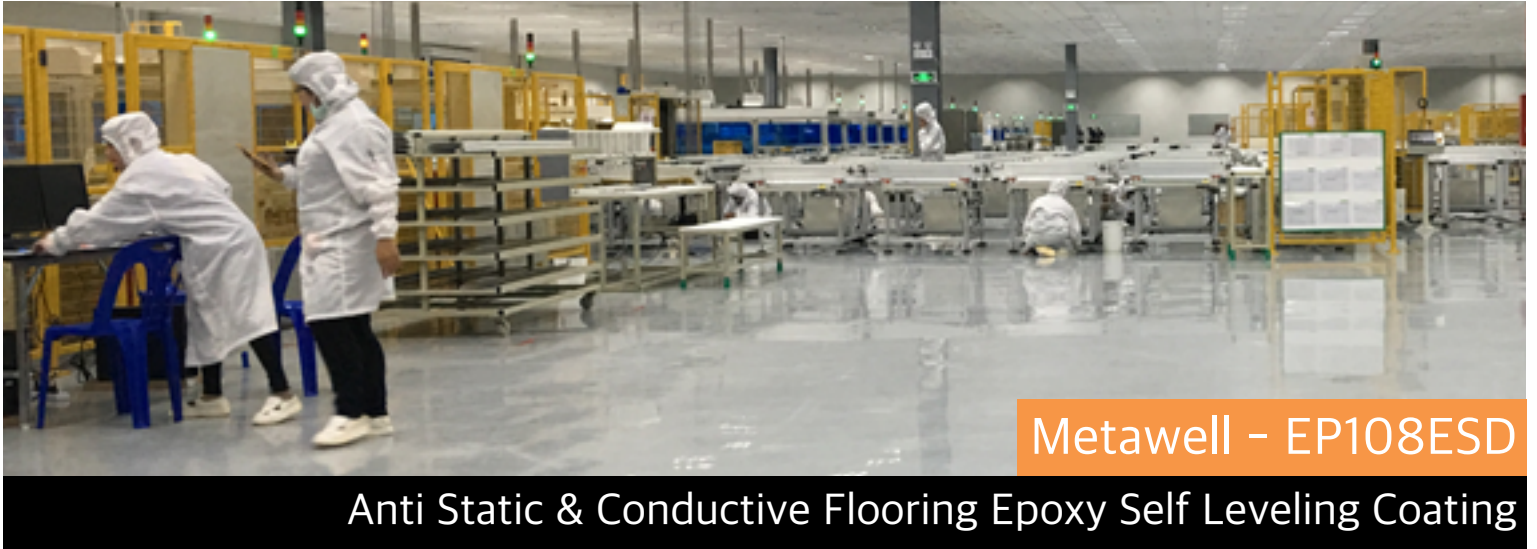
	10 °c	20 °c	30°c
Light Traffic	24 hrs	15 hrs	10 hrs
Full Traffic	36 hrs	24 hrs	18 hrs
Full Chemical Cure	14 days	7 days	6 days

#### Color Palette

The information is located in the Metawell color chart.



- Top coat
- Primer
- Copper tape
- Middle
- Primer
- Substrate



## Anti Static & Conductive Flooring Epoxy Self Leveling Coating

### Description

**Metawell - EP108ESP** is an anti-static, hygienic, easy-to-clean, self smoothing resin floor with satin finish.

**Thickness : 2-3 mm.**

### Benefits

- Hygienic
- Enhances appearance of working environments
- Solvent free
- Low odor
- Easy to clean and maintain

### Color Palette

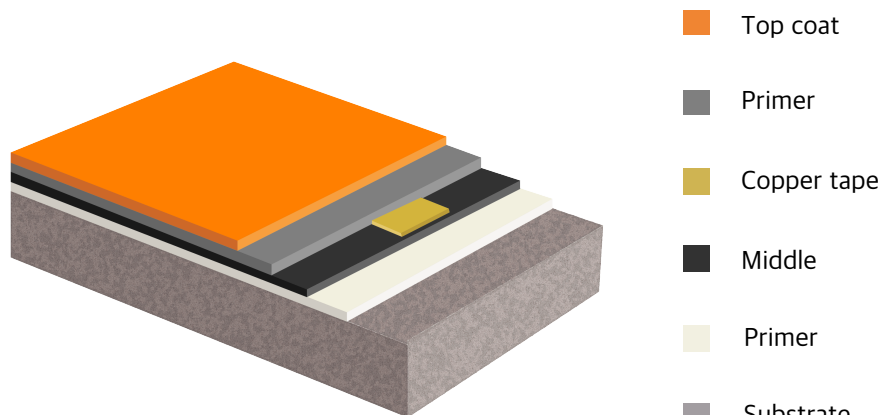
The information is located in the Metawell color chart.

### Uses

**Metawell - EP108ESD** is suitable for use in laboratories, cleanrooms, equipment testing areas, warehouses, electronic, aerospace, automotive printing and pharmaceutical plants subject to pedestrian and light traffic.

### Speed of Cure

	10 °c	20 °c	30°c
Light Traffic	24 hrs	15 hrs	10 hrs
Full Traffic	36 hrs	24 hrs	18 hrs
Full Chemical Cure	14 days	7 days	6 days





## Metawell - EP109

### Epoxy Color Quartz Scatter System

#### Description

**Metawell - EP109** is a hard wearing, decorative, customizable solvent free epoxy color quartz scatter system.

**Thickness : 3-6 mm.**

#### Uses

Ideal dry process areas, public areas, shops, showrooms, department stores, designer outlets, restaurants, garden centers, airports, school, hospitals and so on.

#### Benefits

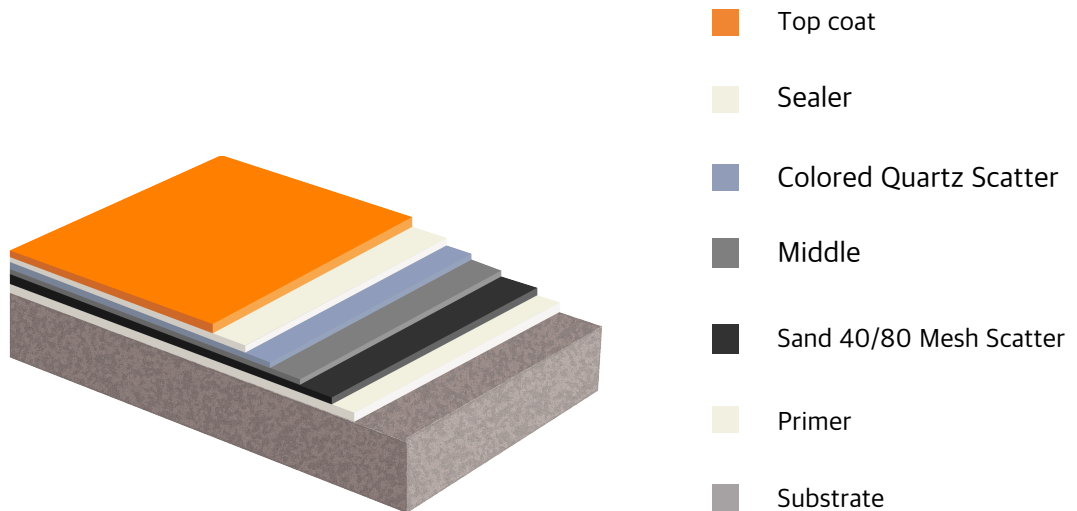
- Decorative floor finish
- High scratch resistance
- Easy to clean and maintain
- Excellent wear and impact resistance
- Seamless hygienic finish
- Abrasion resistant
- High chemical resistance

#### Speed of Cure

	10°c	20°c	30°c
Light Traffic	48 hrs	24 hrs	18 hrs
Full Traffic	72 hrs	48 hrs	36 hrs
Full Chemical Cure	12 days	7 days	6 days

#### Color Palette

The information is located in the Metawell color chart.





### Description

Metawell - EP110 is a seamless highly decorative, solvent free, epoxy resin terrazzo floor finish incorporating recycled, clear crystal glass aggregates.

Thickness: 6-8 mm.

### Uses

Metawell - EP110 is suitable for airport and railway terminals, shopping centers, hotels, restaurants, and environments where design, aesthetics and durability are of paramount concern.

### Benefits

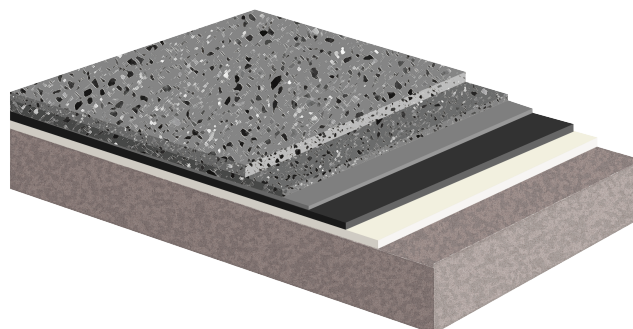
- Aesthetically pleasing - enhances the working environment
- Solvent free, low odor
- Flexible design
- Seamless finish
- Easy to clean and maintain
- Good slip resistance in dry conditions
- High abrasion resistance
- Long life span
- High chemical resistance

### Speed of Cure

	10°C	20°C	30°C
Light Traffic	24 hrs	20 hrs	16 hrs
Full Traffic	72 hrs	48 hrs	36 hrs
Full Chemical Cure	12 days	7 days	6 days

### Color Palette

The information is located in the Metawell color chart.



- Sealer
- Putty
- Crystal
- Natural Quartz Scatter
- Primer
- Substrate



## Metawell - EP111

### Epoxy Terrazzo System

#### Description

**Metawell - EP111** contains varying sizes of flakes scattered over a pigmented epoxy base coat with a tough finish.

**Thickness : 3-6 mm.**

#### Benefits

- Attractive decorative finish
- USDA/FDA compliant
- Extensive design potential
- Seamless hygienic finish
- Easy to clean and maintain
- High chemical resistance
- High scratch resistance
- Wear resistant surface for wheeled traffic

#### Uses

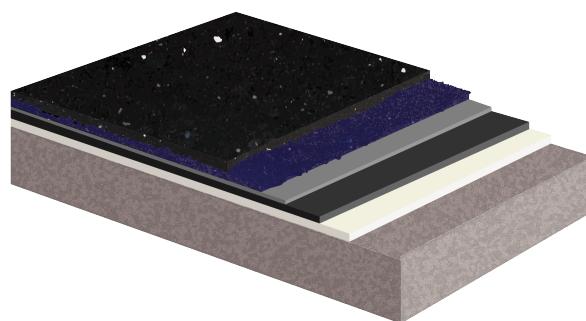
Ideal dry process areas, public areas, shops, showrooms, department stores, designer outlets, restaurants, garden centers, airports, schools and hospitals.

#### Speed of Cure

	10°c	20°c	30°c
Light Traffic	36 hrs	24 hrs	16 hrs
Full Traffic	72 hrs	48 hrs	36 hrs
Full Chemical Cure	12 days	7 days	6 days

#### Color Palette

The information is located in the Metawell color chart.



- Top coat
- Terrazzo flakes scatter
- Middle
- Putty
- Primer
- Substrate





**Description**

**Metawell - PU301** is a two component, UV stable, clear or pigmented, solvent-based polyurethane floor sealer with gloss finish.

**Thickness : 0.25 mm.**

**Benefits**

- UV resistant - non yellowing
- Good abrasion resistance
- Hard wearing
- Attractive, light reflecting appearance
- Easy to apply
- Easy to clean and maintain

**Uses**

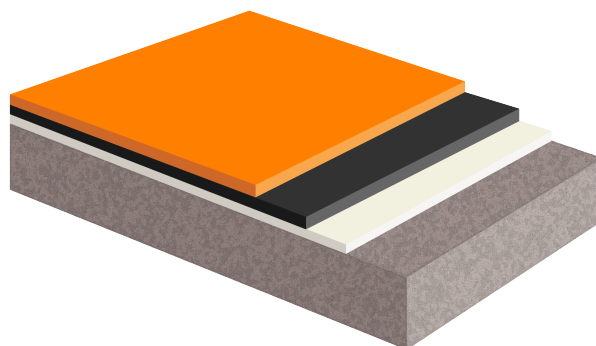
Typically used as a UV stable, clear or pigmented seal coat applied to concrete, screeds or epoxy resin systems. Good for walk path with direct sunlight.

**Speed of Cure**

	10 °c	20°c	30 °c
Light Traffic	36 hrs	24 hrs	12 hrs
Full Traffic	72 hrs	48 hrs	24 hrs
Full Chemical Cure	12 days	7 days	6 days

**Color Palette**

The information is located in the Metawell color chart.



- Top coat
- Putty
- Primer
- Substrate



# Metawell - PU302

## Self-Leveling PU Coating System

### Description

**Metawell - PU302** is a pigmented, 2-3 mm self-smoothing chemical resistant polyurethane floor finish.

**Thickness: 2-3 mm.**

### Uses

Ideal for areas requiring chemical resistance, long term durability and impact resistance such as vehicle workshops, engineering factories and garages.

### Benefits

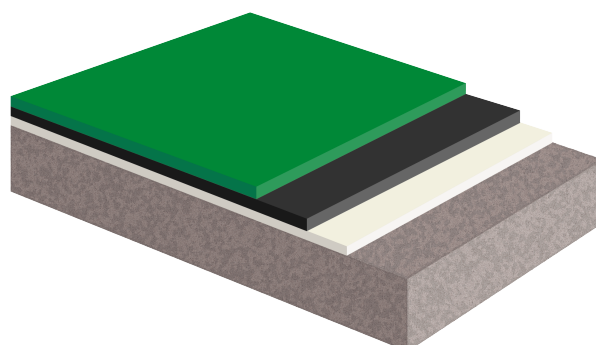
- Good chemical resistance
- Easy to clean and sterilize
- Non-tainting, non-dusting
- High abrasion resistance
- Low odor during application
- Fast return to service
- UV light stable grade is available

### Speed of Cure

	10 °c	20°c	30 °c
Light Traffic	36 hrs	24 hrs	16 hrs
Full Traffic	48 hrs	36 hrs	24 hrs
Full Chemical Cure	12 days	7 days	6 days

### Color Palette

The information is located in the Metawell color chart.



- Top coat
- Putty
- Primer
- Substrate



### Description

**Metawell - MMA201 Screed Fast Terrazzo PMMA** is a seamless, decorative, hard wearing, methyl methacrylate PMMA resin floor finish, developed for high traffic retail or industrial environments.

**Thickness: 4-6 mm.**

### Benefits

- Fast curing and rapid installation
- Can be overlaid onto existing ceramic tiles, marble, granite, terrazzo or timber floors
- Attractive decorative finish
- Extensive design potential
- Seamless and Hygienic finish
- High chemical resistance
- High scratch resistance
- Wear resistance surface for wheeled traffic
- Easy to clean and maintain

### Color Palette

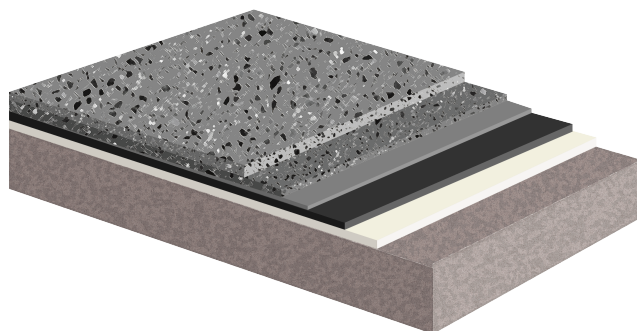
The information is located in the Metawell color chart.

### Uses

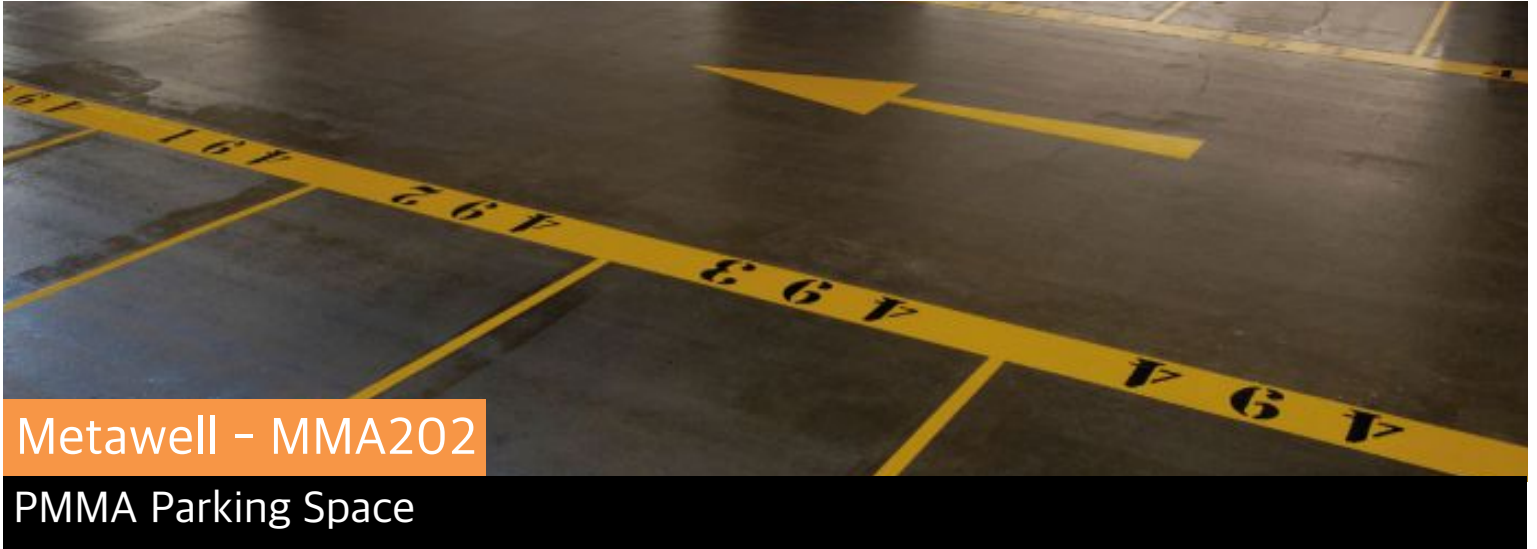
Ideal for public areas, shops, showrooms, department stores, designer outlets, restaurants, garden center, schools airport, hospitals, stadiums and industrial buildings where time for floor repairing and resurfacing is limited.

### Speed of Cure ( per coat )

Full Traffic	1 hour
Full Chemical Cure	1 hour



- Top coat
- Terrazzo fast scatter
- Middle
- Putty
- Primer
- Substrate



### Description

**Metawell - MMA202** is a methyl methacrylate car park deck coating system providing a colorful water-tight, hard wearing surface for intermediate decks of multistory, basement and other traffic-able suspended floors.

**Thickness: 2-3 mm.**

### Benefits

- Fast curing and rapid installation
- Aesthetically attractive - brightens up dull, dark, musty car parks
- Reduces noise
- Hard wearing
- Abrasion
- Can be used over existing asphalt substrates
- Fire resistant
- Slip resistant
- Excellent bond strength

### Uses

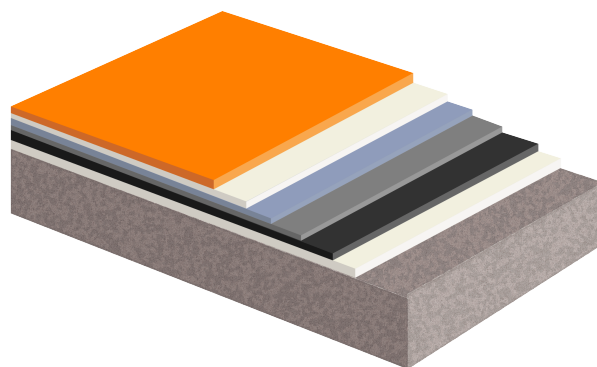
To cosmetically enhance, reduce noise, and make multi-story car parks and suspended floors brighter, safer environments to visit. **Metawell - MMA202** is suitable for refreshment of existing car parks and new construction projects.

### Color Palette

The information is located in the Metawell color chart.

### Speed of Cure ( per coat )

Full Traffic	1 hour
Full Chemical Cure	1 hour



- Top coat
- Top coat
- Silica Quartz
- Putty
- Silica Quartz
- Primer
- Substrate



**Description**

**Metawell - MMA203** is a methyl methacrylate car park deck coating system providing a colorful watertight, hard wearing surface for exposed decks.

Metawell - MMA203 has been developed to enable very fast track applications, therefore dramatically reducing program time.

**Thickness: 4-6 mm.**

**Benefits**

- Fast curing and rapid installation
- Aesthetically attractive - brightens up dull, dark, musty car parks
- Reduces noise-greatly reduce tyre squeal
- Hard wearing-high abrasion resistant
- Fire resistant
- Slip resistant
- Excellent bond strength

**Uses**

To cosmetically enhance, reduce noise, and make exposed deck car parks brighter, safer environments to visit.

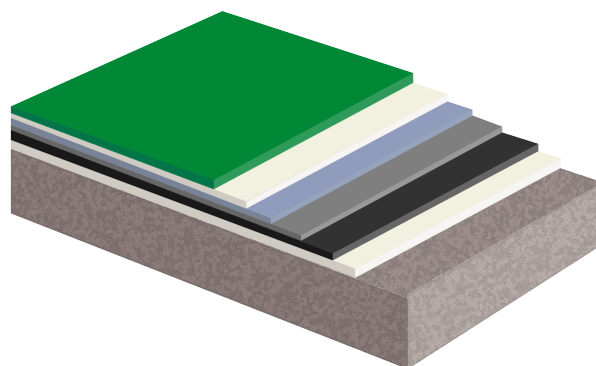
**Metawell - MMA203** is suitable for refreshment of existing car parks and new construction projects.

**Speed of Cure (per layer)**

Full Traffic	1 hour
Full Chemical Cure	1 hour

**Color Palette**

The information is located in the Metawell color chart.



- Top coat
- Top coat
- Silica Quartz
- Middle
- Silica Quartz
- Primer
- Substrate



## Metawell - EP112

### Water-based Epoxy Coating for Car Park

#### Description

**Metawell - EP112** is a Green Label certified, pigmented, low VOC, water-based satin finished epoxy, car park deck coating system specifically designed to withstand the damp environments, basements of car parks.

**Thickness: 0.35 mm.**

#### Benefits

- Green Label certificated - environmentally friendly / low VOC
- Aesthetically attractive - brightens up dull dark, musky car park environments
- Breathable - Moisture vapor tolerant
- Can be applied to damp substrates such as green concrete
- Solvent free
- Low odor
- Easy to clean and maintain

#### Color Palette

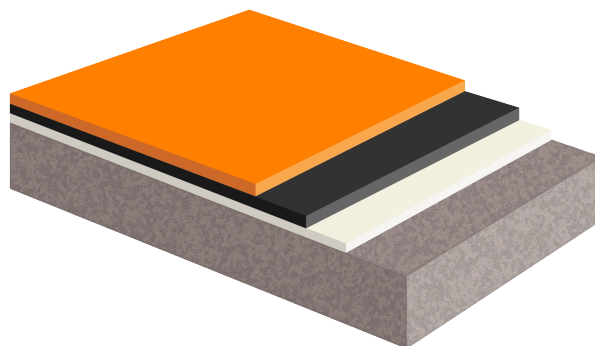
The information is located in the Metawell color chart.

#### Uses

**Metawell - EP112** cosmetically enhances and reduces noise, marking the car park environment brighter, safer, more welcoming environment to visit. It is suitable for refreshment of existing car parks or new construction project.

#### Speed of Cure

	10°c	20°c	30°c
Light Traffic	36 hrs	24 hrs	16hrs
Full Traffic	48 hrs	36hrs	24 hrs
Full Chemical Cure	14days	7 days	6 days



- Top coat
- Putty
- Primer
- Substrate



## Solvent-free Epoxy Coating for Car Park

### Description

**Metawell - EP113** is a Green Label certified, low VOC, solvent free, epoxy car park deck coating system providing a colorful watertight, hard wearing surface for intermediate decks of multi-story, basement and other traffic-able suspended floors.

**Thickness: 2-3 mm.**

### Benefits

- Green Label certificated - environmentally friendly/low VOC paint
- Aesthetically pleasing - brightens up dull, dark, musty car parks and suspended floors
- Hard wearing
- Abrasion resistant
- Fire resistant
- Slip resistant
- Excellent bond strength

### Uses

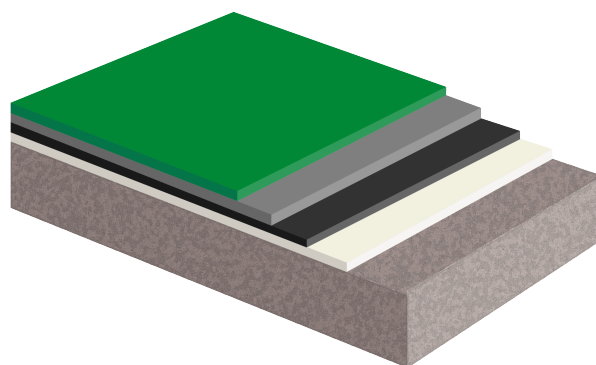
**Metawell - EP112** cosmetically enhances and reduces noise, marking multi-story car parks and suspended floors brighter, safer environments to visit. **Metawell EP112** is suitable for refreshment of existing car parks or new construction projects.

### Speed of Cure (per layer)

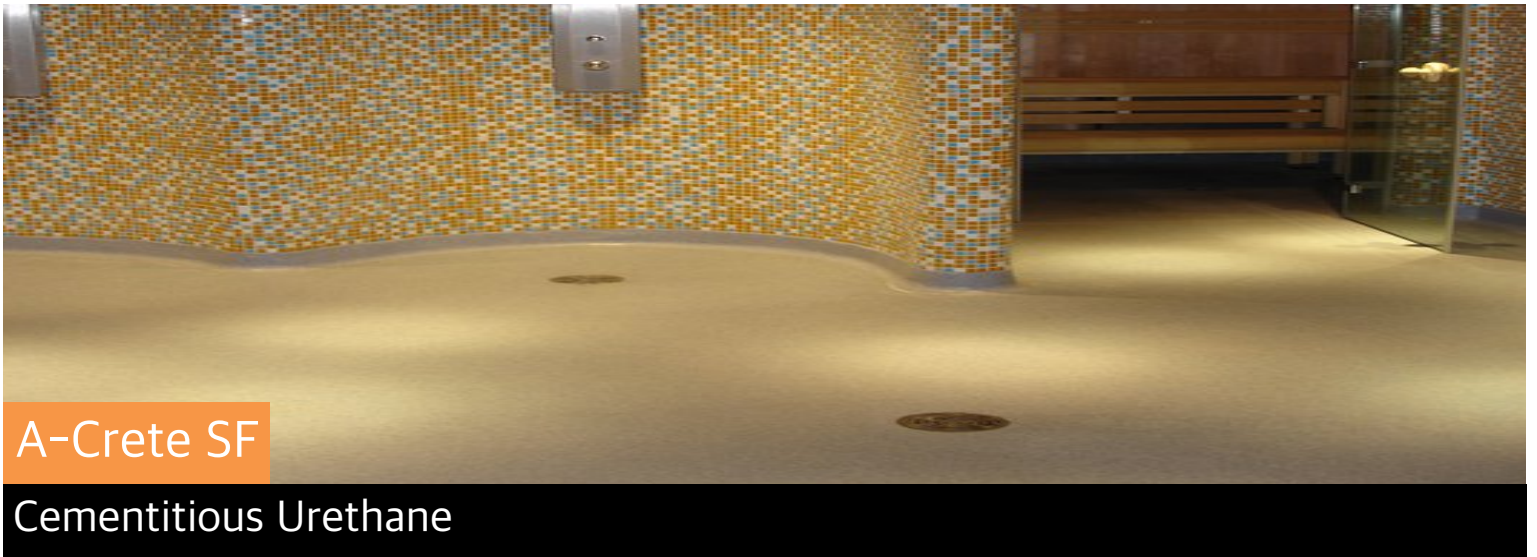
	20°C	30°C
Light Traffic	24 hrs	18 hrs
Full Traffic	48 hrs	36 hrs
Full Chemical Cure	7 days	6 days

### Color Palette

The information is located in the Metawell color chart.



- Top coat
- Putty
- Middle
- Primer
- Substrate



**Description**

A-Crete SF is a pigmented, self-smoothing, chemical resistant, polyurethane floor finish.

Thickness: 3 mm.

**Benefits**

- Proven antimicrobial performance
- High chemical resistance
- Easy to clean and sterilize
- Non-tainting, non-dusting
- High abrasion resistance
- Low odor during application
- Fast return to service
- UV light stable grade is available

**Uses**

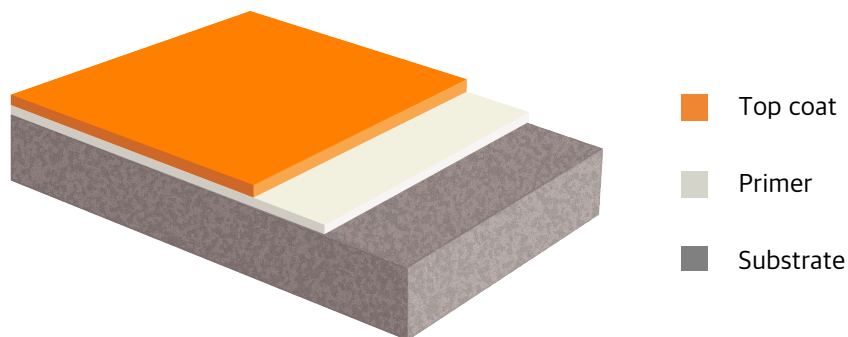
Ideal for dry or semi-wet processing zones such as food or pharmaceutical packaging.

**Speed of cure**

	10 °c	20 °c	30°c
Light traffic	36 hrs	24 hrs	12 hrs
Full traffic	72 hrs	48 hrs	24 hrs
Full chemical cure	10 days	7 days	6 days

**Color Palette**

The information is located in the Metawell color chart.







### Description

A-Crete MF is a chemical resistant, antimicrobial, polyurethane resin floor system with smooth matt colored finish.

Thickness : 4-6 mm.

### Benefits

- Proven antimicrobial performance
- High chemical resistance
- Easy to clean and sterilize
- Non-tainting, non-dusting
- High abrasion resistance
- Low odor during application
- Heat resistant at 90 °c
- Monolithic
- Fast return to service

### Uses

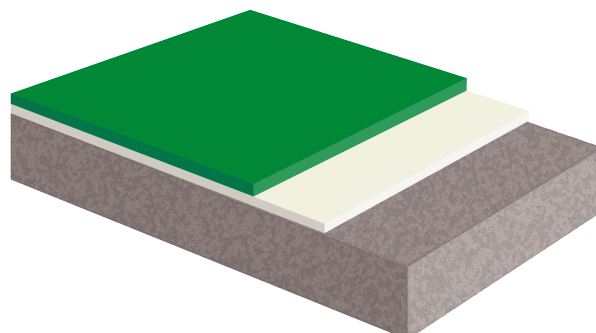
Ideal for dry or semi-wet processing zones such as food or pharmaceutical packaging zones.

### Speed of Cure

	10 °c	20 °c	30°c
Light Traffic	36 hrs	24 hrs	12 hrs
Full Traffic	72 hrs	48 hrs	24 hrs
Full Chemical Cure	10 days	7 days	6 days

### Color Palette

The information is located in the Metawell color chart.



- Top coat
- Primer
- Substrate



## A-Crete HF

### Cementitious Urethane

#### Description

A-Crete HF is heavy duty, chemical resistant, antimicrobial polyurethane resin floor screed, providing a durable textured colored floor finish.

**Thickness : 6-12 mm.**

#### Benefits

- High chemical resistance
- Easy to clean and sterilize anti-slip surface, minimal joints
- Heat resistant to 120 °c
- Steam cleanable
- Freeze/thaw resistant
- High abrasion resistance
- Withstands high mechanical stress
- Good alternative to expensive acid resistant tiles
- Low odor during application
- Monolithic
- Fast return to service

#### Uses

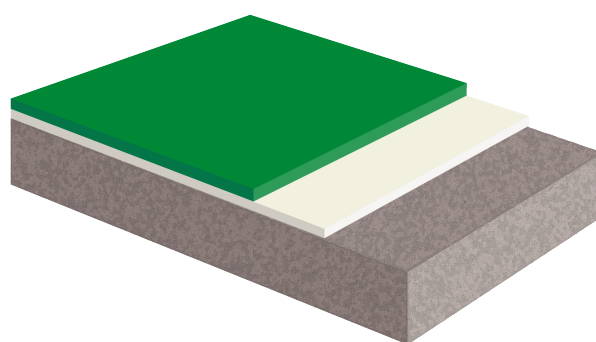
Ideal for dry or semi-wet processing zones such as food or pharmaceutical packaging zones.

#### Speed of Cure

	10 °c	20 °c	30 °c
Light Traffic	36 hrs	24 hrs	12 hrs
Full Traffic	72 hrs	48 hrs	24 hrs
Full Chemical Cure	10 days	7 days	6 days

#### Color Palette

The information is located in the Metawell color chart.



- Top coat
- Primer
- Substrate



## A-Crete Terrazzo

### PU Terrazzo System

#### Description

**A-Crete Terrazzo** is a seamless, water-based polyurethane floor.

**Thickness : 6-9 mm.**

#### Benefits

- Aesthetically pleasing - enhances the working environment
- Joint free surface (except for underlying slab joints)
- Easy to clean and maintain
- Highly chemical resistant
- Abrasion and impact resistant

#### Color Palette

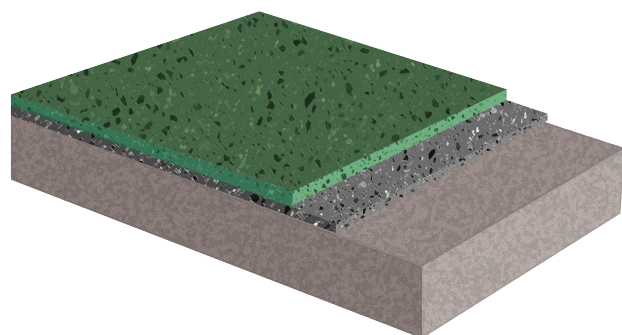
The information is located in the Metawell color chart.

#### Uses

It is suitable for corridors and kitchens, and also suitable for airport and railway terminals, shopping centers, hotels and restaurants.

#### Speed of Cure

	10 °c	20 °c	30°c
Light Traffic	36 hrs	24 hrs	12 hrs
Full Traffic	72 hrs	48 hrs	24 hrs
Full Chemical Cure	10 days	7 days	6 days



- Top coat
- Primer
- Substrate



**Metawell - PU311**  
**PU Waterproof System for Internal Use**

**Description**

**Metawell - PU311** series is extremely durable and cost-effective one-part liquid applied waterproofing system that is free from any type of tar, hazardous or harmful substances. When applied in exposed environment, The aliphatic polyurethane UV protective top coat has to be applied on the PU311 layer.

Thickness 1.2-1.5 mm.

**Benefits**

- Environmental-friendly
- Cost saving
- Superior quality
- Stable quality
- Ease of use

**Uses**

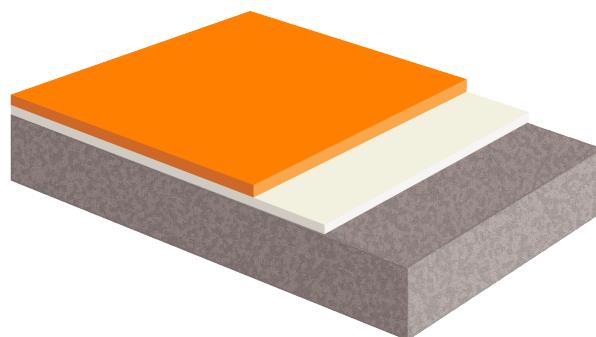
- Waterproofing to building's roofs, exterior walls, basements, balconies, kitchen, and washrooms
- Waterproofing to special constructions such as granary, civil defense projects and bridges
- Exposed color steel roof retrofit

**Speed of Cure**

	10°c	20°c	30°c
Light Traffic	36 hrs	24 hrs	16 hrs
Full Traffic	48 hrs	36 hrs	24 hrs
Full Chemical Cure	14 days	7 days	6 days

**Color Palette**

Color : Milky white or gray



- Top coat
- Primer
- Substrate



Metawell - PU312

PU Waterproof System For External Use

### Description

**Metawell - PU312** flexible waterproof coating is a polyurethane resin (Polyurethane) as the main component of the two liquid type with a waterproof coating.

**Thickness : 2-3 mm.**

### Benefits

- Easy and fast installation.
- May use on uneven surfaces
- Excellent results can be obtained with use on pipes, wall corners, and vertical surfaces.
- Weather resistant, tear resistant, will not crack
- Elastic and beautiful surfaces.
- Securely adheres to cement without peeling off. It can also be used to fill cracks.

### Uses

Surface water-proof: buildings, houses factories, school, Roof tops, and bathrooms.

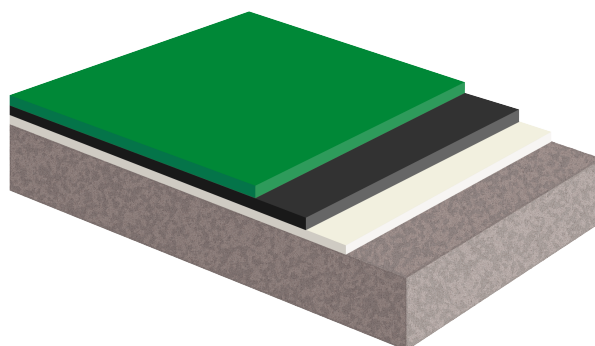
Vertical wall: Vertical of inside and outside walls.

### Speed of Cure

	10°c	20°c	30°c
Light Traffic	36 hrs	24 hrs	16 hrs
Full Traffic	48 hrs	36 hrs	24 hrs
Full Chemical Cure	14 days	7 days	6 days

### Color Palette

The information is located in the Metawell color chart.



- Top coat
- Middle
- Primer
- Substrate



## Metawell - AR501

### Heat-blocking Waterproof System

#### Description

**Metawell - AR501** has been developed & designed for excellent heat reflectance. It has a highly technical unique in the form of a liquid water-based, elastomeric polymer modified resin incorporated with special type of ceramic Borrosilicate Glass Microspheres. After applying or coating on external surface, it will dry to form a film as an elastomeric paint protecting as a thermal barrier for building (roof and wall , etc.) from solar heat.

**Thickness: 0.2-0.3 mm.**

#### Benefits

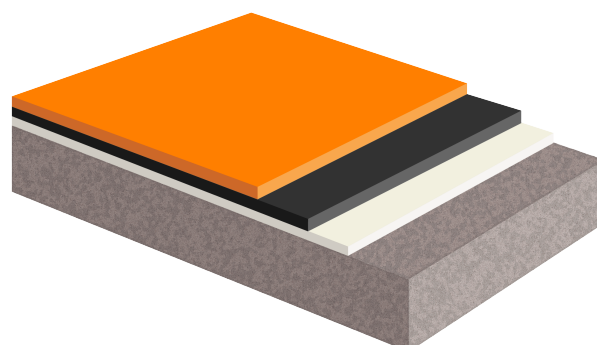
- Reflect solar heat more than 93%
- Energy saving from air conditioner more than 40%
- Easy and fast installation.
- Protection of roof & wall of building resulting longer life
- No painting is needed after application
- Water-based, Environmental friendly
- Noise reduction from roof during rain fall

#### Uses

- Concrete roof of residential & commercial complexes
- Metal sheet roof
- Cold storage buildings, Fuel and water tanks
- Interior wall coating resulting in energy savings

#### Speed of Cure

Allow first layer of coating to dry 1 to 2 hours before proceeding second layer.



- Top coat
- Middle
- Primer
- Substrate or metal sheet



**Description**

**Metawell - AR502** is a high solid content, high polymer content, acrylic elastomeric copolymer waterproof coating for roofs, dries to form an elastomeric membrane. It is a highly durable waterproofing having excellent resistance to UV, alkaline. coating

**Thickness : 0.5-1 mm.**

**Benefits**

- Outstanding durability
- UV resistant
- Good Adhesion to various substrate
- Environmentally Safe - non toxic
- Easy to apply
- Permanently flexible - will not brittle.
- High Flexibility
- Breathable
- Superior resistance to dirt pick up
- Multi-purpose - economical

**Uses**

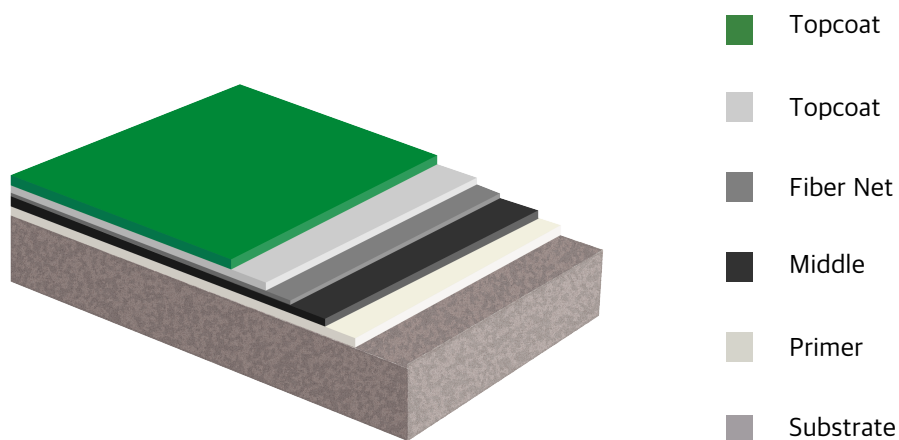
- Light - Foot traffic RC roof
- Concrete or Steel Gutter
- Metal Sheet Roof

**Speed of Cure**

	10°c	20°c	30°c
Light Traffic	36 hrs	24 hrs	16 hrs
Full Traffic	48 hrs	36 hrs	24 hrs
Full Chemical Cure	14 days	7 days	6 days

**Color Palette**

The information is located in the Metawell color chart.





## Metawell - AR503

### Corrosion Protection System

#### Description

**Metawell - AR503** is a proprietary polymer-modified cementitious waterproofing membrane coating specially formulated for Concrete and Masonry Surface which is supplied in ready mix kits (2 parts). When the dry part is mixed with proprietary acrylic-modified emulsion and applied according to direction, the cured **Metawell - AR503** will become a tough, flexible and seamless waterproof membrane and acts as an excellent water barrier to Concrete and Masonry Surface.

**Thickness: 1-2 mm.**

#### Benefits

- Quick drying.
- Easily applied by brush, roller or trowel.
- Highly elastic.
- Excellent adhesion to concrete and masonry substrates.
- Non toxic substances.
- Environmentally friendly - free Volatile Organic Compound (VOC).
- Can be applied on damp surface.
- Excellent waterproofing ability - No leakage up to 10 m. hydrostatic pressure.
- Vibration durability against earthquake

#### Color Palette

The information is located in the Metawell color chart.

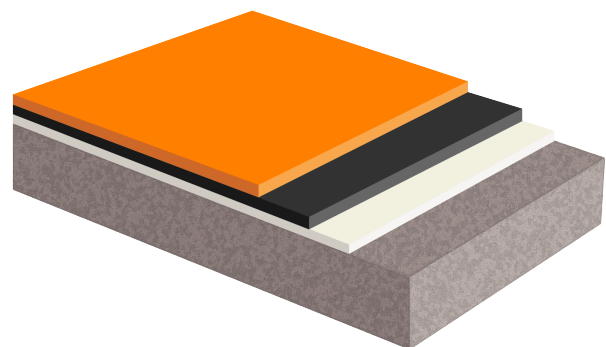
#### Uses

- Concrete foundations, basements wall and lift pits
- Swimming pools, water tanks and reservoirs
- Concealed roofs, parking decks, bathroom, toilet, kitchen, balconies and planters
- Any other concrete, cement or masonry surface subject to damage from moisture

#### Speed of Cure

	20°C	30°C
Light Traffic	24 hrs	16 hrs
Full Traffic	36 hrs	24 hrs
Full Chemical Cure	7 days	6 days

- Topcoat
- Topcoat
- Primer
- Substrate







## Metawell - MB601

Bitumen based, Torch Applied Waterproofing Sheet Membrane

### Description

**Metawell - MB601** ranges of APP modified bitumen waterproofing membranes are manufactured from rich bitumen & select polymers blended together. It has excellent heat resistance & cold temperature flexibility and has high tensile strength, tear & puncture resistance.

**Thickness: 3 mm.**

### Benefits

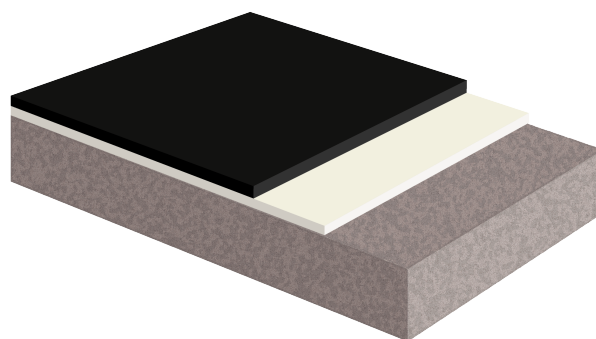
- Uniformity
- Vapor barrier
- Performance stability
- Ease of application
- Eco-friendly - Safe & environment friendly
- Durable

### Color Palette

The information is located in the Metawell color chart.

### Uses

- Basements & Below Ground Structure
- Industrial Roofs
- Sloped & Flat Roofs
- Parking areas
- Bridges & Tunnels
- Foundation of Retaining Wall
- Swimming Pools



- Membrane
- Primer
- Substrate



## Metawell - MB602

### Self Adhesive with PE Finish Waterproofing Membrane

#### Description

**Metawell - MB602** is a cold applied, elastomeric SBS modified bituminous waterproofing membranes, reinforced with a non woven polyester mat. With PE finish. Under side surface is the high quality easily removable release paper, which protects the adhesive side of the membrane during storage.

**Thickness: 1.5 mm.**

#### Benefits

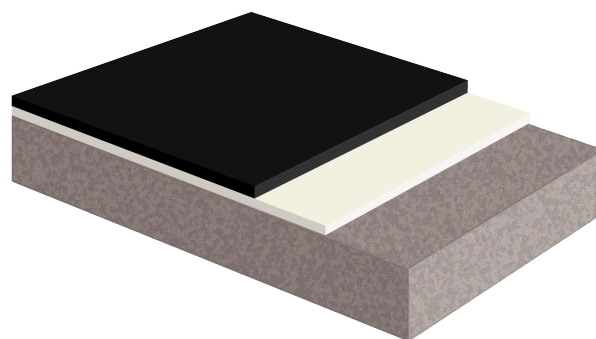
- Excellence adhesion to primed concrete substrates
- Ensure uniform thickness of waterproofing membrane
- Easy to apply, Fast application
- SBS rubberized compound is self-protected and self sealing to minor punctures

#### Color Palette

The information is located in the Metawell color chart.

#### Uses

- Roof Slab
- Planter Boxes and Landscape Decks
- Sloped & Flat Roofs
- Basement and below ground Structure
- Viaducts and tanks pools
- Tunnels and bridge decks



- Membrane
- Primer
- Substrate



Metawell - PP1200

PVC Waterproofing Membrane

### Description

**Metawell - PP1200** is a flexible, synthetic waterproofing membrane based on top quality polyvinyl chloride(PVC) resin and mixed with and mixed with plasticizer, filler, antioxidant, ultraviolet absorber and other auxiliaries.

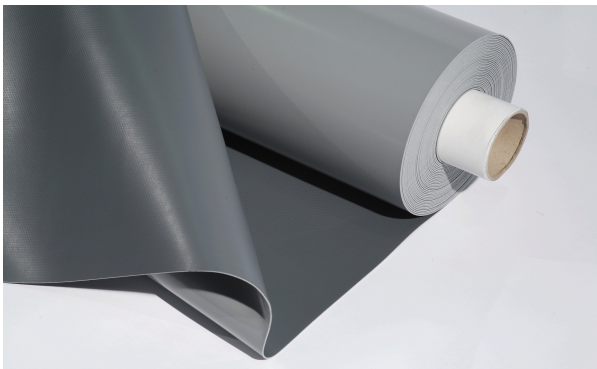
**Thickness: 1.2 mm, 1.5 mm, 2.0 mm.**

### Uses

It could be applied in nearly all kinds of tunnels, roofs, basements or even as projects such as: liner of ponds, pools, etc.

### Benefits

- Weldable
- Easy to apply
- Excellent UV resistance
- Cost and time saving



Metawell PVC-Waterproofing Membrane



## Metawell - TP1200

### TPO Waterproofing Membrane

#### Description

**Metawell - TP1200** is a flexible, synthetic waterproofing membrane based on top quality Thermoplastic olefin (TPO) and mixed with and mixed with plasticizer, filler, antioxidant, ultraviolet absorber and other auxiliaries.

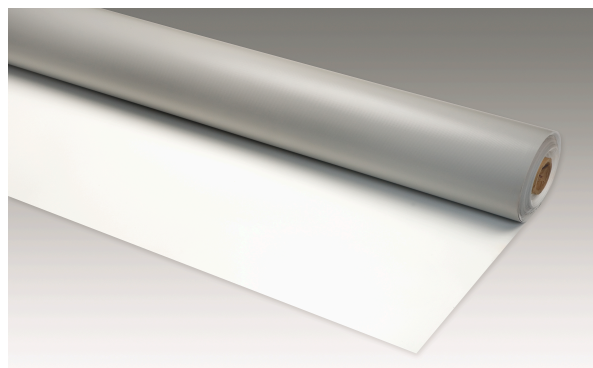
**Thickness: 1.2 mm, 1.5 mm, 2.0 mm.**

#### Benefits

- Weldable
- Easy to apply
- Excellent UV resistance
- Cost and time saving

#### Uses

It could be applied in nearly all kinds of flat roofing project. Its excellent anti-aging performance and wide temperature Range make it a perfect choice for both new roofing and renovating projects.



Metawell TPO-Waterproof Membrane



**Description**

**Metawell - EP113** is a roller coat shrinkage compensated epoxy resin based coating system with excellent chemical and mechanical resistance.

**Thickness: 0.25 mm.**

**Benefits**

- Chemical resistant
- Hard wearing
- Enhanced slip resistance as compared to standard "smooth" coatings
- Abrasion resistant
- Attractive, light reflecting appearance
- Seamless and hygienic finish
- Low maintenance

**Color Palette**

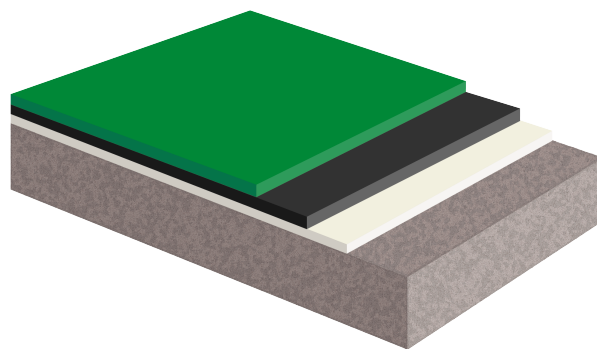
The information is located in the Metawell color chart.

**Uses**

- Wastewater treatment tank
- Water tank
- RO tank
- Water sump
- Trenches and drains

**Speed of Cure**

	10 °c	20 °	30 °c
Light Traffic	36 hrs	28 hrs	24 hrs
Full Traffic	72 hrs	48 hrs	36 hrs
Full Chemical Cure	12 days	7 days	6 days



- Top coat
- Top coat
- Primer
- Substrate



## Metawell - EP114 Fiberglass

### Tank and Lining Coating Corrosion Protection System

#### Description

**Metawell - EP114** is a roller or spray applied Epoxy resin based fiberglass reinforced lining system providing excellent chemical resistance, thermal resistant and protecting concrete or steel structures from various mechanical stresses.

#### Thickness : 1 - 4 mm

Note: Specifications are written for each installation to meet the client's particular requirements.

#### Benefits

- Excellent chemical resistance
- Hygienic and easy to clean
- high abrasion resistance
- Various resin types available to meet specific chemical temperature exposure requirements

#### Color Palette

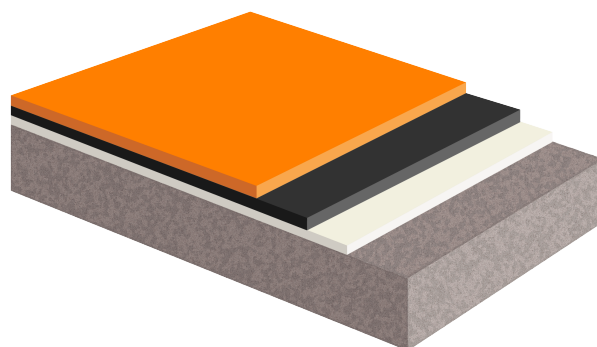
The information is located in the Metawell color chart.

#### Uses

For protection of concrete and metal structures subject to continuous or occasional exposure to aggressive chemicals, thermal and mechanical stress.

#### Speed of Cure

	10 °c	20 °	30 °c
Light Traffic	36 hrs	28 hrs	24 hrs
Full Traffic	72 hrs	48 hrs	36 hrs
Full Chemical Cure	12 days	7 days	6 days



- Top coat
- Fiber Glass+Resins  
(Depending on the specification requirements)
- Primer
- Substrate



**High Chemical Resistant Corrosion Protection Coating System**

**Description**

**Metawell - VE401** is a roller coat shrinkage compensated vinyl ester epoxy resin based coating system with excellent chemical and mechanical resistance.

**Thickness: 0.35 mm.**

**Benefits**

- Excellent chemical resistance, up to 110 °C
- Excellent chemical resistance
- Fast curing - usually walk on within 12 hours
- Hygienic and easy to clean
- high abrasion resistance
- UV resistant
- Each installation can be customized

**Uses**

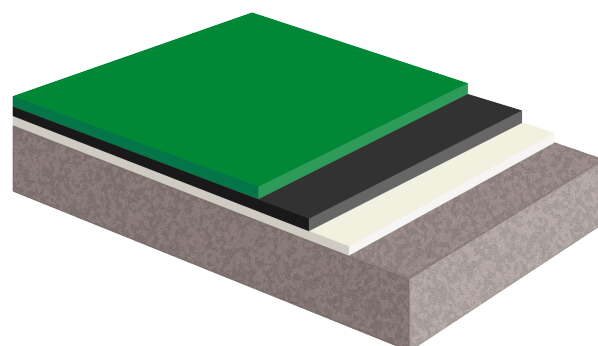
- Wastewater treatment tank
- Water tank
- Ro tank
- Chemical plant
- Chemical secondary containment
- Chemical storage tank

**Speed of Cure**

	10 °c	20 °	30 °c
Light Traffic	36 hrs	28 hrs	24 hrs
Full Traffic	72 hrs	48 hrs	36 hrs
Full Chemical Cure	12 days	7 days	6 days

**Color Palette**

The information is located in the Metawell color chart.



- Top Coat
- Top Coat
- Primer
- Substrate



## Metawell - VE402 Fiberglass

### High Chemical Resistant Corrosion Protection Coating System

#### Description

**Metawell - VE402** is a roller or spray applied vinyl ester epoxy resin based Fiberglass reinforced lining system providing excellent chemical resistance, thermal resistant and protecting concrete or steel structures from various mechanical stresses.

**Thickness : 1 - 4 mm**

Note: Specifications are written for each installation to meet the client's particular requirements.

#### Benefits

- Excellent chemical resistance
- Rapid curing
- Hygienic and easy to clean
- high abrasion resistance
- Various resin types available to meet specific chemical temperature exposure requirements

#### Uses

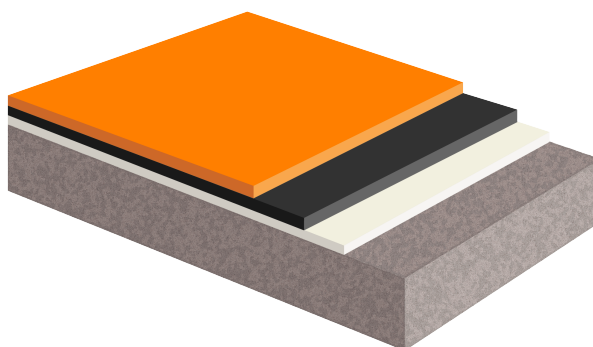
For protection of concrete and metal structures subject to continuous or occasional exposure to aggressive chemicals, thermal and mechanical stress.

#### Speed of Cure

	10 °c	20 °	30 °c
Light Traffic	36 hrs	28 hrs	24hrs
Full Traffic	72 hrs	48 hrs	36 hrs
Full Chemical Cure	12 days	7 days	6 days

#### Color Palette

The information is located in the Metawell color chart.



- Top coat
- Fiber Glass+Resins  
(Depending on the specification requirements)
- Primer
- Substrate





**Metawell - PU314**  
Sport Court System

**Description**

**Metawell - PU314** is a composite surface specially designed and fabricated by Metawell crediting a synthetic flexible indoor & outdoor sports flooring. When applied over a suitable base, it provides a resilient uniform seamless and durable surface for multi-use gymnasium and indoor & outdoor sports venues. Court lines and area markings are applied internationally recognized colors on top of finished surfaces.

**Thickness: 4 - 6 mm.**

**Benefits**

- Cushioned effect - spring action on the floor
- Attractive range of bright colors
- Eliminates glare and light reflection
- Resilient and flexible coating
- Hard wearing-abrasion and impact resistant finish
- Seamless hygienic surface, easy to clean and maintain

**Color Palette**

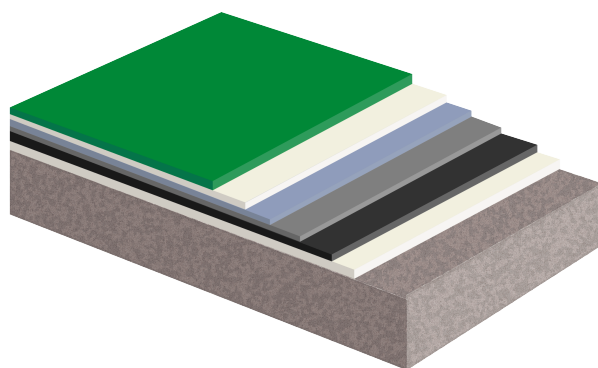
The information is located in the Metawell color chart.

**Uses**

Recommended for use in education and local authority sports gymnasias and leisure centers. **Metawell - PU314** provides a robust, aesthetically pleasing sporting environment underfoot offering longevity for any indoor & outdoor sporting facility.

**Speed of Cure**

	10°c	20°c	30°c
Light Traffic	36 hrs	24 hrs	16 hrs
Full Traffic	48 hrs	36 hrs	24 hrs
Full Chemical Cure	14 days	7 days	6 days



- Surface Non-slippery Treating material
- Floor material
- Surface Course of Asphalt Concrete
- Binder Course of Asphalt Concrete
- PVC Film
- Crushed Stone
- Substrate



**Description**

**Metawell - PU315** is a composite surface crediting a synthetic flexible indoor & outdoor sports flooring. When applied over a suitable base, it provides a resilient uniform seamless and durable surface for multi-use gymnasium and indoor & outdoor sports venues. Court lines and area markings are applied internationally recognized colors on top of finished surfaces.

**Thickness: 10 - 13 mm.**

**Benefits**

- Cushioned effect - spring action on the floor
- Attractive range of bright colors
- Eliminates glare and light reflection
- Resilient and flexible coating
- Hard wearing-abrasion and impact resistant finish
- Seamless hygienic surface, easy to clean and maintain
- Can be used in conjunction with slow warm underfloor heating

**Uses**

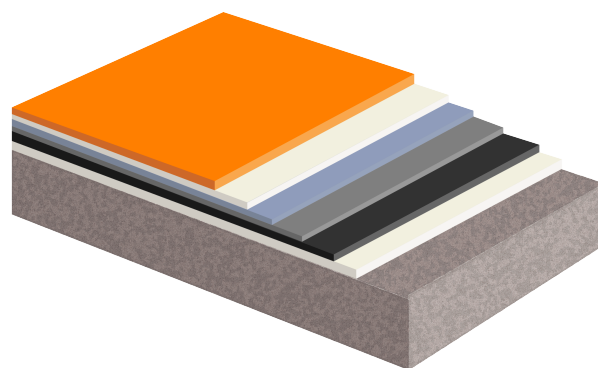
Recommended for use in education and local authority sports halls, gymnasias and leisure centers. **PU315** provides a robust, aesthetically pleasing sporting environment underfoot offering longevity for any indoor & outdoor sporting facility.

**Speed of Cure**

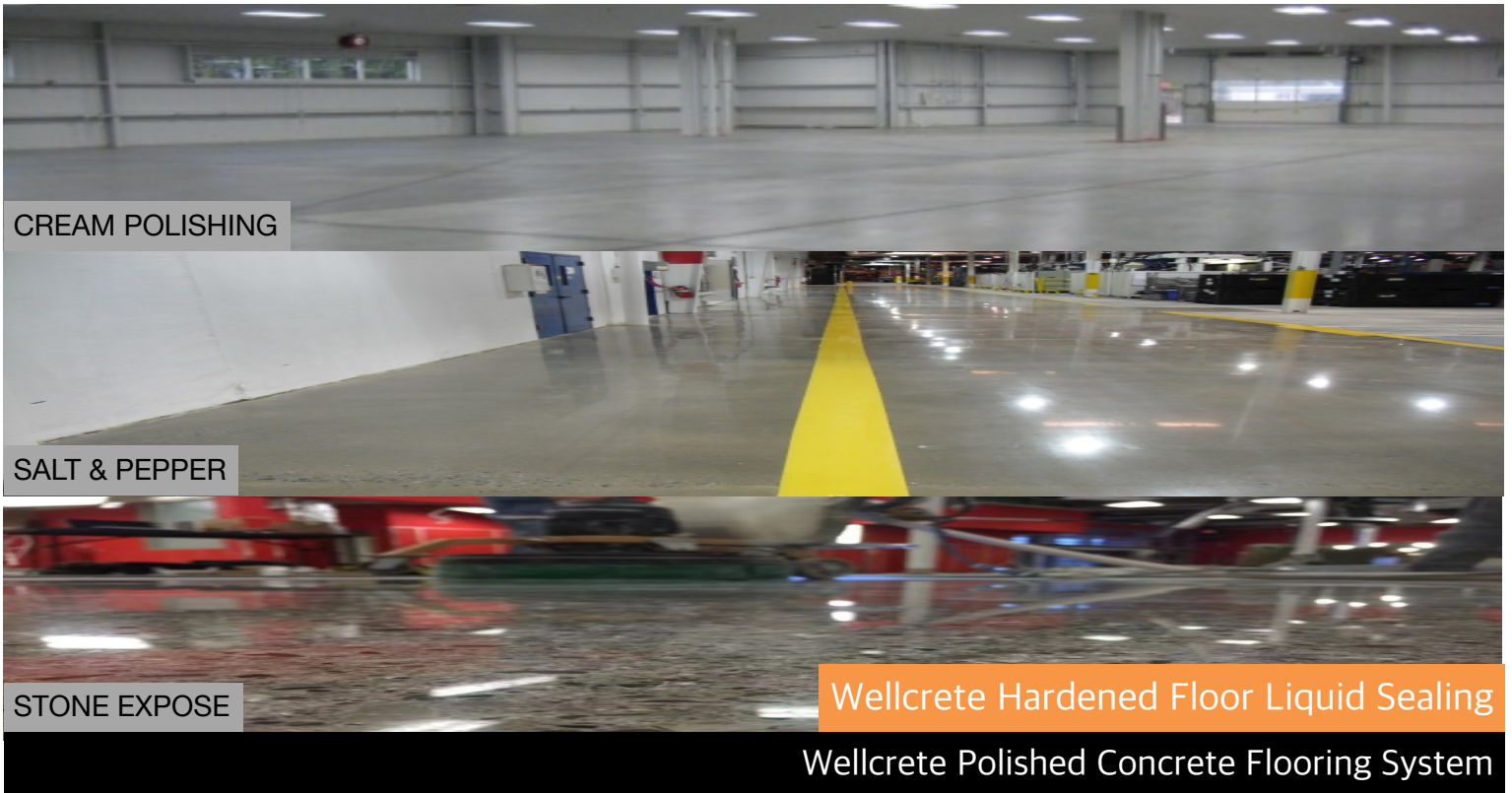
	10°c	20°c	30°c
Light Traffic	36 hrs	24 hrs	16 hrs
Full Traffic	48 hrs	36hrs	24 hrs
Full Chemical Cure	14 days	7 days	6 days

**Color Palette**

The information is located in the Metawell color chart.



- Surface Non-slippery Treating material
- Floor material
- Binder Course of Asphalt Concrete
- Surface Course of Asphalt Concrete
- PVC Film
- Crushed Stone
- Substrate



## Description

**Wellcrete** system transform an existing concrete slab into stunning easily cleaned, hardwearing and high performance surface using specialist grinding and polishing techniques designed to bring out the best in the concrete below. The Wellcrete Hardened Floor Liquid Sealing concept uses diamond grinding techniques to remove the surface laitance and expose the natural aggregates used in the concrete mix. A number of specialist repair, densifying and staining products can then be used to treat the slab, strengthen the concrete and add color and uniformity to the surface if required.

## Uses

- Interior or exterior
- Warehouse floor
- Manufacturing plants
- Distribution centers
- Polished concrete
- Commercial and retail floors

## Benefits

- Easily cleaned and maintained seamless surface
- Offers excellent strength, wear resistance and durability
- Delivers chemical and liquid resistance
- Offers excellent slip resistance due to the micro-profile of the surface
- Suitable for new build and refurbishment
- Unlimited lifespan and low lifecycle cost projections
- Uses as much as 30 times less energy than traditional flooring
- Add a colored stain or pattern to the concrete surface
- Either treat existing concrete or apply new overlay



## Metawell - Quartz Floor Hardener

Premixed, Non-Metallic Monolithic Floor Hardener

### Description

**Metawell - Quartz Floor Hardener** is a quality controlled, factory blended powder which is ready to use on site. It consists of selected and graded NON-METALLIC Quartz aggregate. Portland cement and special additives to improve workability. This range of high quality graded aggregates are for use in industrial floor and paving to produce heavy duty concrete floors that resist dusting, abrasion and withstand expose to oil, grease and certain industrial chemicals.

Note: Metallic Floor Hardener is also available.

### Benefits

- High abrasion resistance
- Impact resistance.
- Non-Metallic
- Hard wearing
- Easy and economical to apply
- Available in a range of colors
- Reduces maintenance costs

### Uses

**Metawell - Floor Hardener** is designed to increase the durability and wearing properties of industrial and commercial floors. Applied monolithically by the shake on method it is ideally to all areas of heavy industrial use e.g. loading lanes, warehouses, repair workshop, machine shops, ramps, trucking lanes, car park, and spillways, etc.

### Color Palette

Available in Green, Brick red, Grey, Natural grey and Yellow

# Project Reference



NAMCHOW (THAILAND) LTD.



LAEMTHONG CORPORATION GROUP



Uni-President



OISHI  
GROUP  
PUBLIC COMPANY LIMITED



HONDA



THAI TODA CORPORATION LTD.



THAI OBAYASHI  
SINCE 1974



มหาวิทยาลัยธรรมศาสตร์  
THAMMASAT UNIVERSITY

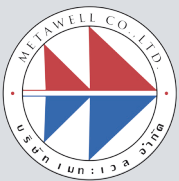


มหาวิทยาลัยรังสิต  
RANGSIT UNIVERSITY




EVERGREEN LAUREL HOTEL


JASPAL




## **Metawell Co., Ltd.**

19/1 Moo7, Lamlukka Road, Tambol Buengkamproy,  
Amphoe Lamlukka, Pathumthani, 12150 Thailand

 +66(2)-987-9847, +66(81)-655-7396

 metawell\_@hotmail.com

 [www.metawell.co.th](http://www.metawell.co.th)

