

## Formula P-731 top coating for self-cleaning & heat insulation

**Formula P-731** is a multi-functions top coating, mainly made of inorganic silicon resin, TiO<sub>2</sub>. The building's coated surface has the excellent performance – waterproofing, heat insulation, self-cleaning, sterilization, protection, and anti-mold. The coating can make the coated building look brand-new & extends building life.



### 【 Purpose 】

- \* Water-based flexible exterior wall coating for anti-crack, waterproofing, anti-leakage, heat insulation and decoration.
- \* It can be used as a stand-alone product for waterproofing & heat insulation projects for rooftops, exterior walls, and courtyard gardens.
- \* It can be used as the top coating over water-based flexible coating or elastic cement layer.

### 【 Features 】

- \* Super-Hydrophile: When coated surface meets raining, Rain is forming “waterfall” to take away dirt function (Self-Cleaning).
- \* Photocatalyst TiO<sub>2</sub> meets sunshine to cause oxidation remove oil & dirt.
- \* Long-term performance of deodorization, Anti-Mold, Sterilization, and Anti-Dirt. Solve rainy dirty mark problem for current flexible top coating.



Since 2009

### 【 Coating Amount 】

- A. Waterproofing layer : 16.5~20 m<sup>2</sup>/ 5 gallon (cured membrane thick 0.5~1mm for 3~4 coatings)
- B. Top coating of waterproofing layer : 66 m<sup>2</sup> / 5 gallon ( 2 coatings)

### 【 Coating Tool 】

Brush, roller or airless atomizer

## 【Appearance Color】

White(for best heat insulation performance) 、 Green, Beige 、 Grey . (Please inquire if any color requirement)

【Package】 5 gallons(20kg)

## 【Shelf life】

12 Month. Avoid direct sunshine. Store unused product indoor & keep container sealed tightly.

## 【Note】

Please note the weather during construction,  
Rains may affect the drying and film forming.

The working surface shall be completely covered to avoid fracture caused by side seepage.

## 【 Construction methods 】

### (A) when used singly as waterproof layer :

1. Clean with a steel brush away the dirt and dusts from the work surface
2. Partially coat 3 layers of film on leaks or on old-new joints.
  - \* 2-1 Layer 1: coat P-731 plus water at mix rate: 1 : 1~2 for penetration purpose.
  - \* 2-2 Layer 2: wait 1<sup>st</sup> layer dry (about 30 minutes), coat P-731 again & use fiberglass mesh as reinforcement.
  - \* 2-3 Layer 3: wait 2<sup>nd</sup> layer dry (about 30 minutes), then coat P-731 again for good waterproofing effect.
3. Work on whole surface by coating 2-3layers (about 30 minute's interval for each layer). 1<sup>st</sup> layer may be diluted by adding water as penetration purpose, for good bonding effect afterwards.

### (B) when used as surface coating on water-based PU, elastic cement or water-based rubberized asphalt :

1. Upon completion of the waterproofing layer by water-based PU, elastic cement or water-based rubberized asphalt, coat P-731 for two layers immediately when the surface is dried.
2. The interval of 30 minutes is between each coating

## 防水隔熱自潔面漆(P-731)

防水隔熱自潔面漆 P-731 主要以無機矽樹脂  $TiO_2$  組成，具多功能性建築表面防水隔熱面漆，可使被塗物具有防水、隔熱、自潔、保護、殺菌、防黴等全面保護之功效，讓建築物永保如新，延長使用壽命。

### 【特性】

- 超親水功能，降雨時產生水幕，具極優自潔能力，表面的髒污會自然流下掉落。
- 光觸媒氧化鈦在太陽光紫外線照射下，具強氧化分解油污能力。
- 具長效脫臭、防黴、抗菌、防污各項機能。
- 一次解決市面上彈性面漆易產生雨痕髒污的問題。

### 【用途】

- 混凝土建築物外壁專用之抗龜裂、防水、防漏、隔熱、裝飾保護之水性彈性塗料
- 可單獨使用作為屋頂、外壁、中庭花園..等防水、隔熱養護工程
- 作為一般水性彈性防水膠、彈性水泥...等的面漆

### 【物性】

- 抗拉強度：27 kgf/cm<sup>2</sup>
- 抗撕裂：16 kgf/cm<sup>2</sup>
- 伸長率：280%
- 固成份：45%

### 【塗佈量】

- 防水隔熱自潔面漆 P-731 單獨使用當作防水層時：5~6 坪/5 加侖(乾膜約厚 0.5~1mm，塗佈 3~4 道的量)
- 防水隔熱面漆 P-731 當作水性彈性防水膠、彈性水泥的面漆時：20 坪/5 加侖(塗佈 2 道的量)

【顏色】 白色(隔熱性最佳)、綠色、米黃、灰色，其他顏色可另洽。

【包裝】 5 加侖(20kg)塑膠圓桶裝

【塗刷工具】 毛刷、滾輪或無氣噴漆機

### 【施工設計】

(一) 單獨使用作為防水層時：

1. 請先將施工表面雜物、粉層用鋼刷清除
2. 先於裂縫處局部塗膜 3 層(每道間隔約 30 分鐘)  
第一層：用 P-731:水=1:1~2 作滲透處理

第二層：等乾燥後塗抹 P-731 原液，並貼合玻璃維網達到抗裂效果

第三層：等乾燥後再塗一道 P-731 原液以增加防水效果

3. 施工面再全面施工，塗佈 2~3 道，每道間隔約 30 分鐘(第 1 道可依施工面加水稀釋，作毛孔滲透，增強附著效果)

(二) 作為一般水性 PU 之面漆：

待水性 PU 施工完成，乾燥後，塗佈 2 道(隔約 30 分鐘)

#### **【註】**

1. 施工請注意天候，避免乾燥成膜前遇雨影響接著
2. 施工請以全面包覆為原則，以避免因側滲導致脫層

End