

# (單組份) 純聚氨酯彈性防水膜 (外露型) Single Component Pure Polyurethane Elastomeric Waterproofing Membrane (Expose Type)

# PU027

聚氨酯 / PU



## 聚氨酯 027

PU-027 是一種極好表現的單一聚氨酯彈性體外露濕固有色的組合防水膜。極具塑性冷用防紫外光有色防水膜並用於外牆及天面。

<50g/L 低揮發性有機物質混合物 (含低發性有機物) 並譽為最佳環保產品。

## 特徵

1. 有效於一系列注目的顏色。
2. 適用於外牆混凝土及金屬面。
3. 不須保護抵禦紫外光。
4. 易塑性及強抵禦高拉力及撕裂力有關移動及橋樑髮絲裂痕。
5. 能抵禦行人交通路面上。
6. 抵抗污物及化學物品。
7. 不多過 93% 高固體含量
8. 乾固時間於 2 至 3 小時及攝氏 25 至 30 度內。

## 使用方法

### 應用範圍

PU-027 設計應用於混凝土、纖維板、英泥板、石及樓宇表面內外牆；主要抵禦紫外光。

1. 天面鋼筋樓面混凝土。
2. 建築物內外牆。
3. 露台、潮濕地方、平台及花槽。
4. 樓宇表面內外牆。

## PU 027

PU-027 is a coloured expose moisture cured pure polyurethane elastomeric waterproofing membrane. Highly flexible, cold applied Ultra Violet resistant coloured waterproofing membrane for External Wall and Roof application.

Low Volatile Organic Compounds (VOCs Contents) of < 50 g/L can be qualify as Environmentally Friendly Product. (Various colour is available)

## Features

1. Available in a range of attractive colours
2. Can be used on external concrete and metal surfaces
3. Do not require protection against Ultra Violet light
4. Flexible and Strong to withstand movement and hairline crack bridging
5. Able to withstand human traffic
6. Resistance to dirt and chemicals
7. High Solid Content of more than 93%
8. Fast dry time of 2 ~ 3 hours @ 25~30 degrees °C.

## Instructions

### Some application sample

PU-027 is designed for External and Internal application on concrete, metal wood, fiberboard, cement board, brick, stone and façade subject to UV radiation

1. Concrete and Metal Roofs
2. Building external and internal walls
3. Balconies, Wet Area Terraces, Planter Boxes
4. External Building Façade

### Directions for Use

1. All concrete substrate must be structurally sound, clean, dry & free of oil, dust, grease, curing compound or other contaminations.
2. Loose particles should be removed by abrasion or high pressure water cleaning.
3. Concrete substrates should have a light steel trowel finished.
4. Porous substrate should use HCM Primer 118 (Water base primer) to seal the substrate before application of PU-027.

Apply at least 2 coats of PU-027 by roller, brush, or spray. Apply the second coat when the first coat had dry. Do not require protection for the finish surface and expose to UV light.

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## 施工程序

1. 所有混凝土基質底必須結構性強、清潔、乾、無塵、無油脂、乾固化合物或其它污染物。
  2. 鬆散沙粒必須用刷或高壓射水清潔乾淨。
  3. 混凝土基質底必須用鋼絲刷掃花面。
  4. 多孔混凝土基質底必須在用 PU-027 前, 用 HCM Primer 118 (水性底油)。
- 在應用最少 2 層 PU-027 (可用油輻、掃上或噴上) 讓第一層吹乾後才加上第二層。  
不須保護面層、可外露紫外光。

## 用量

約兩層為 1.5 kg/m<sup>2</sup>, 形成 1.4mm 厚防水膜。每桶 18kg 掃 12m<sup>2</sup>。

## 效能

產品合成: 純聚氨酯

顏色: 多種注目的顏色 (灰、綠)

密度: 1.3g/cm<sup>3</sup> 固體含量: >95%

抗拉強度: 4.0N/mm<sup>2</sup> 拉伸強度: >700%

撕裂強度: >12 N/mm<sup>2</sup> 黏附混凝土張力: >1.5 N/mm<sup>2</sup>

硬度 (Shore A): 60

觸乾 (25°C 及 65% 相對濕度): 2-3 小時

乾固時間: 12-24 小時

揮發性有機物質含量: < 50g/L

## 注意事項

### 清洗

用一般清潔溶劑清潔。

### 警告

PU-027 對眼睛及皮膚有傷害性。

當使用時應帶膠手套、面罩及

必須空氣流通。

## 包裝

### 淨重

18 公斤

## 地址

H.C.M. 貿易公司

新界建旺街 4 號利通工業大廈 12 樓 3 室

WhatsApp: 9535 0688

Fax: 2399 0957

Apply at least 2 coats of PU-027 by roller, brush, or spray. Apply the second coat when the first coat had dry. Do not require protection for the finish surface and expose to UV light.

## Consumption

Approximate 1.5kg/m<sup>2</sup> for 2 coats application to achieve approx 1.4mm wet film thickness. 12m<sup>2</sup> per 18kg pail subjected to actual site condition. 18kg Square Tin can.

## Properties

Product Composition: Pure Polyurethane

Colour: Various attractive colours (Grey, Green)

Density: 1.3 g/cm<sup>3</sup>

Solid Content: > 95%

Tensile Strength: 4.0 N/mm<sup>2</sup>

Elongation at break: > 700%

Tear Strength: > 12 N/mm<sup>2</sup>

Adhesion to concrete: > 1.5 N/mm<sup>2</sup>

Hardness (Shore A): 60

Touch dry (at 25°C at 65% R.H): 2-3 hours

Cure time: 12-24 hours

VOC Content: < 50g/L

## Precautions

### Cleaning

Tools can be clean with Solvent

### Warning

PU-027 contains solvent and is harmful to eyes and skin.

Uses, robber gloves and mask during application with adequate ventilation.

## Package

### Net weight

18kg

## Address

H.C.M. Trading Company

Flat 3, 12/F, Raton Industrial Building, 4 Kin Wong Street, Tuen Mun, N.T. Hong Kong