

# 單組份純聚氨酯彈性防水膜 (非外露型) HCM PU-028 Single Component Pure Polyurethane Elastomeric Waterproofing Membrane (Non-Expose Type)

# PU028

聚氨酯 / PU



## 聚氨酯 028

PU-028 是一種極好表現的單一聚氨酯彈性體有純黑色及沒有改變瀝青或煤焦油的組合防水膜。

不多過 93% 高固體含量純聚氨酯產生出一種極適合應用及迎合於混凝土面層的防水膜；含 <50 毫克 / 公升的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. 可用油輻、油掃及噴上。
2. 高度適應移動及橋樑的髮絲裂痕。
3. 純聚氨酯能產生出抵禦高拉力及撕裂力於行人交通路面上。
4. 抵禦化學物及細菌生長。
5. 乾固時間於 2 至 3 小時及攝氏 25 至 30 度內。
6. 使用時需要戴膠手套在口罩裝備，清洗時用有機溶劑 (Thinner)

## 使用方法

### 應用範圍

PU-028 設計為一種室內外隱藏性防水系統。

1. 天面鋼筋混凝土樓面。
2. 露台、花槽、廚房及廁所。
3. 地窖外圍牆身、游泳池及擋土牆等防水。
4. 牆身及地台樓面底。
5. 面加一層英泥沙或防紫外物料更為合適。

## PU 028

PU028 is a excellent performance single component elastomeric purer Black colour Polyurethane waterproofing membrane without modification of bitumen or coal tar

High solid content of more than 93% pure polyurethane produce an excellent quality And performance to meet all water-proofing application on concrete structures. Low Volatile Organic Compounds (VOCs Contents) of < 50g/L can be qualify as Environmentally Friendly Product.

## Features

1. Applied direct from pail with rollers, brush or spray.
2. Highly flexible to withstand movement and bridge hairline crack.
3. 3Pure Polyurethane will produce high tensile and tear strength for a tough finish to withstand human traffic.
4. 4.Resistance to chemical sand Bacterial growth.
5. Fast dry time of 2 ~ 3 hours @ 25~30 degrees C.

## Instructions

### Some application sample

PU028 designed to use as a conceal waterproofing system in both Internal and external application.

1. Reinforced Concrete Roofs
2. Waterproofing of terraces, planter boxes, balconies, kitchen and toilet.
3. External tanking of basements, swimming pool and retaining walls.
4. Below grade floors and walls slabs.
5. To cover with cement sand screeding as to avoid direct contact with UV light.

### 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-028.

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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-028 前，用 HCM Primer 118 (水性底油)。

在應用最少 2 層 PU-028 (可用油輻、掃上或噴上) 讓第一層乾固後才加上第二層。

完成面層後建議用英泥沙批盪或天面膠氈用以保護防止接觸外露紫外光。

## 用量

大約兩層為 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：黑色

密度：1.3g/cm<sup>3</sup>

固體含量：>95%

抗拉強度：3.0N/mm<sup>2</sup>

拉伸強度：>700%

黏附混凝土張力：>1.5 N/mm<sup>2</sup>

硬度 (Shore A): 40

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-028 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-028 by roller, brush, or spray. Apply the second coat when the first coat had dry. To cover with cement sand screeding or plastic sheeting for the finish surface and avoid 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: Black

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

Solid Content: > 95%

Tensile Strength: 3.0 N/mm<sup>2</sup>

Elongation at break: > 700%

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

Hardness (Shore A): 40

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 cleaned with solvent.

### Warning

PU-028 contains solvent and is harmful to eyes and skin.

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

## Package

### Net weight

18 kg

## Address

H.C.M. Trading Company

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