



# 慶泰樹脂



國際田徑協會認證

國際網球協會認證

正字標記

環境管理認證

國家磐石獎

國際品質認證

台灣精品

國家品質獎

## C-166 單液型彈泥

One component flexible waterproofing membrane

C-166 單液型彈泥是一創新研究的高分子複合材料，由特殊合成的複合高分子加上精選之矽結晶骨材粉末而成。直接刷塗即可硬化，硬化後形成一種具有彈性、高強度、耐久的塗膜；更因有耐水壓的特性而具有優異的防水及防滲漏功能，而常用於夾層或一般防水使用。

本產品為水性，無公害，是一個完全符合環保施工要求的材料，因此廣受一般消費大眾的愛用。本品的使用方式簡單，也適合一般 DIY 使用，僅需簡單的滾塗或刷塗即可達到優異的防水功能。

C-166 is a one-component, non-plasticized, vinyl acetate-ethylene (VAE) based on emulsion material. This product is composed of specially selected filler supplied in powder-crystalline silicon. It cures to form a flexible, high strength and durable membrane. It is a waterproof finish against hydrostatic pressure product. This product is a water-based, green formulated and environmentally friendly product. C-166 provides user usability and easy to application. Suitable for DIY, can be easily applied by roller or brush.



## ◎ 特 性

- 1.具彈性、柔韌性、抗裂性。
- 2.防震動、減噪音。
- 3.具密著性、防水性、耐酸雨污損性。
- 4.具防止紫外線劣化。
- 5.反應緩和、施工容易。
- 6.耐候性佳、耐老化、為長效性塗料。
- 7.防止裂紋、龜裂狀滲透、可修復彌封龜裂狀牆面之防水。
- 8.可與不織布混合形成耐水、耐張裂之高強度防水層。

## ◎ 性 質

|       |                                                                                       |
|-------|---------------------------------------------------------------------------------------|
| 固 成 份 | 65%以上(混合漆)                                                                            |
| 比 重   | 1.65 ± 0.10                                                                           |
| 黏 度   | 3600 cps／25℃                                                                          |
| 可操作時間 | 不接觸空氣下無特別限制                                                                           |
| 指觸乾燥  | 20 分／25℃                                                                              |
| 堅結乾燥  | 1-2 hrs／25℃                                                                           |
| 完全硬化  | 2～4 天／25℃                                                                             |
| 塗裝間隔  | 2-3 hrs／25℃                                                                           |
| 塗 佈 量 | 0.4 kg／m <sup>2</sup><br>(0.25mm 厚，一道塗佈)<br>0.75 kg／m <sup>2</sup><br>(0.45mm 厚，一道塗佈) |
| 塗佈方式  | 滾塗或刷塗                                                                                 |
| 調 薄 劑 | 水（建議不添加使用）                                                                            |
| 底漆使用  | AC 底漆(請以 2 倍水稀釋後再使用)                                                                  |
| 溫度限度  | 建議施工溫度 15℃～35℃                                                                        |

## ◎ Features

- 01.Extremely elasticity and flexibility to prevent cracking.
- 02.Excellent vibration and noise damping.
- 03.Excellent adhesion, waterproof properties and resistance to acid rain.
- 04.UV resistance.
- 05.Easy to application.
- 06.Excellent weather resistance, aging resistance and extremely durable.
- 07.Prevent wall from cracking.
- 08.Can be reinforced with non-woven fabrics to form a high strength water impermeable layer.

## ◎ Physical Properties

|                  |                                                                                                                         |
|------------------|-------------------------------------------------------------------------------------------------------------------------|
| Solid content    | 65% or above (mixed)                                                                                                    |
| Specific gravity | 1.65 ± 0.10                                                                                                             |
| Viscosity        | 3600 cps / 25℃                                                                                                          |
| Pot life         | No restriction if the material does not contact with air                                                                |
| Tack free        | 20 minutes / 25℃                                                                                                        |
| Cure time        | 1-2 hrs / 25℃                                                                                                           |
| Full cure        | 2～4 days / 25℃                                                                                                          |
| Recoat time      | 2-3 hrs / 25℃                                                                                                           |
| Coverage         | 0.4 kg / m <sup>2</sup><br>(Thickness is 0.25mm per coat)<br>0.75kg / m <sup>2</sup><br>(Thickness is 0.45mm per coat)) |
| Grade            | Roller or brush                                                                                                         |
| Thinner          | Water (Not recommend to dilute this material)                                                                           |
| Primer           | AC primer (Dilute with 2 times of water before application)                                                             |
| Temperature      | Applied between 15℃ ~ 35℃ is recommend                                                                                  |



### ◎ 用途

1. 浴廁、廚房之夾層防水。
2. 屋頂、窗框之防水。
3. 風頭壁耐龜裂防水。
4. 防止水泥面粉化、老化、劣化、中性化之機能性塗料。

### ◎ 施工及注意事項

1. 於施工前請先將舊有油漆去除，新舊水泥粉光素地均需先打底漆。
2. 施工地坪若有裂縫或高低不平，需先以填縫劑或水泥砂漿修補後再施作彈泥。
3. 避免在 5°C 以下、下雨前或下雨後隨即施工。
4. 各施工時間之間隔，請務必留乾燥時間 1-2 小時，讓施工更完善。
5. 施工請以滾輪直接沾料後塗刷，建議至少塗刷兩道，可達較佳之效果。
6. 搭配不織布施工時，先塗佈彈泥後再將不織布貼上，待乾燥候於不織布上塗佈彈泥。
7. 附著於工具及皮膚上之殘料，請於未乾燥之前以清水清洗。
8. 材料存放請置於陰涼處，並密封妥當，若接觸空氣會自行硬化，請特別注意。

### ◎ Usages

1. Waterproofing for sandwich of bathroom, kitchen, etc.
2. Waterproofing for flat, sloppy roofs or window frames.
3. Protect wall from cracking.
4. Prevent concrete from aging.

### ◎ Limitation

1. Removed all paints off, both new and old concrete surface should be primed at first.
2. Repair all cracks with the proper patching material of the existing substrate.
3. Do not apply when temperature is below 5°C or rain is imminent.
4. Allow to dry for 1 to 2 hours before apply the additional coats.
5. Applied by roller. At least two coats are recommended.
6. Applied with product C-166 first, then fixed with non-woven fabric, wait to dry to apply the additional product C-166 over the non-woven fabric.
7. Wash tools and hands promptly with water before the material sets.
8. Containers must be kept tightly sealed after use; store in a cool and dry place.

# 工程實例

## Reference



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