



# 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

國家鑒石獎

國際品質認證

台灣精品

國家品質獎

# 優涼

## 防水漆UCOOL-300 Waterproofing top coat

UCOOL-300 優涼防水漆系列為不黃變聚氨基甲酸酯彈性防水塗佈材料是精選低污染 NDI 改質並經彈性鏈結耐候性聚醇精煉而成的聚氨基甲酸酯高級機能材，形成高彈性密度的鏈結結構，具有堅韌、彈性、防水、耐洗刷、耐紫外線、耐候、耐環境汙染、耐黃變等特性，做為長效性的彈性防水、耐候防熱、外牆美化之高級塗佈材料。

UCOOL-300 優涼防水漆為二成份型塗料，為外牆塗佈專用的不垂滴型彈性防水漆，合適於滾塗、刷塗及噴塗施工作業。

### ● 特 性

1. 具彈性、柔韌性、高伸長抗裂性。
2. 防震動、減噪音、耐衝擊。
3. 具高度密著性、防水性、耐酸雨污損性。
4. 具防止紫外線劣化、防熱性能超優。
5. 反應緩和、施工容易。
6. 耐候、耐老化、不黃變、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. 可彩化、美化並提升住的品質。

UCOOL-300 is a non-yellowing polyurethane waterproof coating material. This product is selected by the NDI modified elastic links of polyol and high-quality polyurethane material to form a highly flexible, waterproof, wear and weather resistance characteristics, UCOOL-300 is a long-lasting waterproof, aesthetic of the high quality coating material.

UCOOL-300 is a two component waterproofing coating material. This product is suitable for all types of external wall where waterproofing and non-sagging are required. Can be applied by roller, brush or airless spray.

### ● Features

1. Excellent elasticity, flexibility, high elongation and anti-cracking.
2. Excellent vibration and noise damping; high impact resistance.
3. Excellent adhesion, waterproofing and acid rain resistance.
4. Excellent UV resistnace.
5. Easy to application.
6. Excellent weather and aging resistance.
7. Preventing and repair cracking of wall.
8. Colorful and landscaping the quality of residence.

## ● 用途

1. 室內外彈性牆用防水漆。
2. 室外牆用防水防熱漆。
3. 屋頂彈性防水防熱漆之面塗。
4. 女兒牆面彈性防水防熱漆。
5. 風頭壁耐龜裂防水防熱漆。
6. 外牆模樣塗料之耐候防汗防水漆。
7. 曝外儲槽、保溫儲槽專用防水防熱彈性塗料。
8. 防止水泥牆面粉化、老化、劣化、中性化之機能性塗料。



## ● Usages

1. Waterproofing coating for indoor and outdoor walls.
2. Waterproofing and heat-proofing coating for external walls
3. Waterproofing and heat-proofing top coating for roofs.
4. Waterproofing and heat-proofing coating for parapet walls
5. Anti-cracking, heat-proofing and waterproofing coating for external wall coating.
6. Waterproofing coating for weather and dirt resistance of external wall.
7. Waterproofing and heat-proofing coating for water storage tanks (externally).
8. Aging resistance to concrete.



## ● 物性

抗拉強度	20kgf/c m <sup>2</sup> 以上
伸長率	150% 以上
耐洗刷性	1000 次以上
不透水性	0.3mpa, 30min、不滲漏
耐鹼性 (168hr)	無異常
耐老化 (168hr x 70°C)	無粉化、無剝落
耐紫外線 (720 hrs)	不黃變
刷塗性	無刷痕、不垂滴

## ● Physical properties

Tensile strength	20 kgf/c m <sup>2</sup>
Elongation	150% or above
Rub resistance	1000 times or above
Impermeability	Impermeable at 0.3mpa for 30min
Alkaline resistance (168hr)	No effect
Aging trsistance (168hr x 70°C)	No effect
UV resistance (720 hrs)	Non-yellowing
Recoatibility	Non-sagging

## ● 性質

混合比例	主劑 UCOOL-300 硬化劑 UCOOL-300A = 3 : 1
固成份	65% 以上混合漆
比重	1.20 ± 0.05(混合漆)
黏度	1400 cps / 25°C (混合漆)
可操作時間	60 分 / 25°C
指觸乾燥	2 小時 / 25°C
堅結乾燥	4-6 小時 / 25°C
完全硬化	2~4 天 / 25°C
塗裝間隔	4~48 小時 / 25°C
塗佈量	0.4kg / m <sup>2</sup> (200 μm 厚, 一道塗佈)
塗佈方式	滾塗、刷塗、噴塗
調薄劑	PU-thinner (即 PU 專用稀釋劑)
調薄劑用量	滾塗、刷塗免加, 噴塗添加 約 5 % 之 PU 稀釋劑
閃火點	28.9°C
儲存期間	12 個月
溫度限度	建議施工溫度 15°C ~ 35°C

## ● Physical properties

Mixing ratio	UCOOL-300(Component A) UCOOL-300(Component B)=3:1
Solid content	65% or above(Mixed)
Specific gravity	1.20 ± 0.05(Mixed)
Viscosity	1400 cps / 25°C (Mixed)
Pot life	60 mins / 25°C
Tack free time	2 hrs / 25°C
Initial cure	4-6 hrs / 25°C
Full cure	2~4 day / 25°C
Recoat time	4~48 hrs / 25°C
Coverage	0.4 kg / m <sup>2</sup> (thickness is 200um per coat)
Grade	Roller, brush, spray
Thinner	PU-thinner
Thinner amount	No necessary to dilute with Thinner when applied by roller or brush. Dilute with 5% of PU thinner when applied by spray.
Flash point	28.9°C
Shelf life	12 months
Application temperature	Applied between 15°C ~ 35°C Is recommended





## ● 注意事項

1. 實際塗佈量視施工方式、環境條件及被塗物表面狀況而定。
2. 調薄劑可做為稀釋及清潔工具用。
3. 被塗物表面溫度，須高於露點 3°C 以上才可施工。
4. 主劑與硬化劑請依指示配比攪拌均勻。
5. 硬化劑易和水氣反應而膠化變質，故桶蓋務必蓋緊。

## ● Limitation

1. The coverage will depend on the condition of the surface.
2. All tools and equipments can be cleaned up by PU thinner
3. Substrate temperature must be above 3°C (dew point).
4. Mix the component A and component B by the mixing ratio is recommended.
5. Hardener must be stored in tightly sealed containers after use.



 慶泰樹脂化學股份有限公司

總公司：台中市大甲區日南幼獅工業區工二路 50 號  
洽詢專線：TEL：04-26816835-9 FAX：04-26811361

網址：<http://www.chingtai-resins.com.tw>

E-MAIL：[service@chingtai-resins.com.tw](mailto:service@chingtai-resins.com.tw)

台北營業所：TEL：02-22392356 FAX：02-22392357

高雄營業所：TEL：07-7497891 FAX：07-7497893