



慶泰樹脂



MF-107

超速硬化耐磨防水地坪

Fast Curing And Heavy Duty Waterproofing Flooring Material

具有耐候、耐磨、無接縫、無毒性
具有防水、容易保養等特殊功能

No toxic, seamless waterproofing flooring material
with weather and abrasion resistance.

Easy to maintenance.





MF-107系列耐磨地坪

MF-107 heavy duty flooring material

超速硬化聚氨基甲酸酯防水耐磨鋪設材係精選低污染性的MDI改質並經高鏈結聚醇精練而成之聚氨基甲酸酯高機能材料，形成高密度的鏈結結構，具有堅韌、彈性、防水、耐磨、高機械強度、耐污染性等特性，做為長效型的防水、耐磨、地坪美化之高級鋪設材料。

This product (MF-107) is the heavy duty polyurethane flooring material specialized by a fast curing characteristic. This product (MF-107) is begins by reacting polyol with modified MDI. It cures to form a flexible elastic, waterproof, abrasion resistance, high mechanical strength and dust proof properties. This product (MF-107) is ideal for areas that required long-lasting waterproof and abrasion resistance flooring system.

◎ 特性 Features :

- 具彈性、柔韌性、步行舒適性。
Excellent elasticity, flexibility and comfortable to walk on.
- 防震動、減噪音、耐撞擊。
Excellent vibration resistance, noises damping and highly impact resistance.
- 高水密性、防水、耐酸雨污損。
Highly impermeability, waterproofing and acid rain resistance.
- 耐油性優、防油污損傷。
Excellent oil and stain resistance.
- 低磨耗損失、耐久、耐磨損破壞。
Abrasion resistance and long-term durability.
- 反應快速、施工容易節省工期。
Fast reaction, easy to application and can reduce the application time.
- 耐候、耐老化、保養經濟、可長效使用。
Excellent weather resistance, aging resistance and low maintenance cost.
- 無接縫、可彩化、美化環境。
Seamless surface, decorative finish and landscaping.
- 不含任何揮發成份、100%固體成份、可安全施工及使用。
100% solid content, safe to use.

◎ 物性 Physical properties :

符合 CNS6987 規範 : Meets CNS6987 specification

試驗項目	Testing Item	CNS 6987 標準規範 CNS 6987 standard specification	試驗結果 Testing results
比 重	Specific gravity	標示值 ± 0.10 Marked value ± 0.10	1.12
硬 度(Hs)	Hardness	60 ~ 90	65
抗拉強度	Tensile strength(kgf/cm ²)	40 ↑	55
撕裂強度	Tear strength(kgf/cm)	10 ↑	22
伸長率(%)	Elongation(%)	200 ↑	240
耐磨耗性(g)	Abrasion resistance(g)	3.0 ↓	0.9

MF-107系列耐磨地坪

MF-107 heavy duty flooring material



● 用途 Usages :

- 室內彈性地床、室內外停車場、屋頂防水停車場。
Indoor and outdoor parking lots and roofs.
- 室內外步道、廣場、體育館等運動場所地床。
Indoor and outdoor floors, square and stadium floors etc.
- 兒童遊戲場所地床、溫泉、游泳池等水上設施之池畔。
Children's play ground and swimming pool etc.
- 工廠倉庫、防撞擊地板、電子廠、食品廠、藥廠等潔淨室地床。
Flooring for warehouse, electronic component factories, food production factories and pharmaceutical production floors etc.
- 百貨公司、超市走動頻繁之耐磨防水地床。
Flooring for highly foot traffic areas such as department store and supermarket.
- 辦公室、器材室、電腦室、教室地床、醫院、療養院、防滑耐磨地床。
Flooring for office, equipment room, computer room, classroom and hospital etc.

● 性質 Physical properties :

混合比例 Mixing ratio	MF-107 : MF-107A = 10 : 7
固成份 Solid content	99% 以上(混合漆) 99% above(mixed)
比重 Specific gravity	1.15 ± 0.1
黏度(cps / 25℃) Viscosity(cps / 25℃)	4000 ± 1000(混合漆) 4000 ± 1000(mixed)
可操作時間 Pot life	10~20 分 / 25℃ 10~20 mins / 25℃
指觸乾燥 Tack Free time	2~3hrs / 25℃
完全硬化 Full cured	4~8 天 4~8 days
塗裝間隔 Recoat time	4~48hrs / 25℃
塗佈量 Coverage	1.2kg / m ² (1mm 厚) 1.2kg / m ² (1mm thickness)
調薄劑 Thinner	請勿添加任何溶劑調薄劑 Do not dilute with any thinner
閃火點 Flash point	130℃ 以上 130℃ or above
儲存期間 Shelf life	12 個月 12 months
溫度限度 Application temperature	建議施工溫度 10℃~35℃ Applied between 10℃~35℃ is recommended
可荷重時間 Loading time	48hrs / 25℃





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耐藥品性 Chemical resistance :

(JIS K-5400)		試驗結果 Result
檸檬酸(5%)	Citric Acid(5%)	良 Good
醋酸(5%)	Acetic Acid(5%)	良 Good
硝酸(5%)	Nitric Acid(5%)	可 Ordinary
鹽酸(5%)	Hydrochloric Acid(5%)	可 Ordinary
硫酸(5%)	Sulfuric Acid(5%)	可 Ordinary
氫氧化鈉(10%)	Sodium hydroxide (10%)	優 Excellent
燃油	Fuel oil	良 Good
糖水	Sugar solution	優 Excellent
乳酸(5%)	Lactic Acid (5%)	優 Excellent
二甲苯	Xylene	可 Ordinary



● 注意事項 Limitation :

1. 當素地潮濕時請勿施作。

Do not apply when surface is not completely dry.

2. 施工前應將素地表面之雜質、塵埃、油渣去除乾淨。

Surface must be dry, clean and free from oils, greases or other contaminants.

3. 環境溫度低於 5°C 時請勿施作。

Do not apply when temperature is below 5°C.

4. 塗佈施工作業中，請遠離火源，並保持空氣的流通。

Avoid all sources of ignition during application. Provide adequate ventilation during application.

5. 地坪含水率判定：moisture content measurement

- A. 新建混凝土素地需養生 30 天以上方能施工。

New concrete should be cured for at least 30 days before application.

- B. 含水率測試：可用電子式含水率測定儀測試，需低於 8% 以下，另亦可用 60*60 透明塑膠膜覆蓋，再以膠帶封邊，待四小時後如有結露於塑膠膜，則表示含水率過高，不可施工，若未見水滴沾附，則表示可施工。

Moisture content test: Test the moisture content by using the moisture meter. The moisture content should be below 8%. Another method to test the moisture content is using the clear PE film (by the size of 60*60) to cover up the surface and sealed the edge with tape. Wait for four hours to see there has any dew on the PE film; do not apply if the PE film has any dew on it.



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

台北營業所：TEL：02-22392356 FAX：02-22392357

高雄營業所：TEL：07-7497891 FAX：07-7497893