



台灣盛隆建材股份有限公司

Taiwan Shenglong Architecture Material Co., Ltd

www.shenglong.com.tw



SL-260 聚脲塗料(透明)

綠建材標章證書字號 GBM0102402

建築防水用聚胺酯



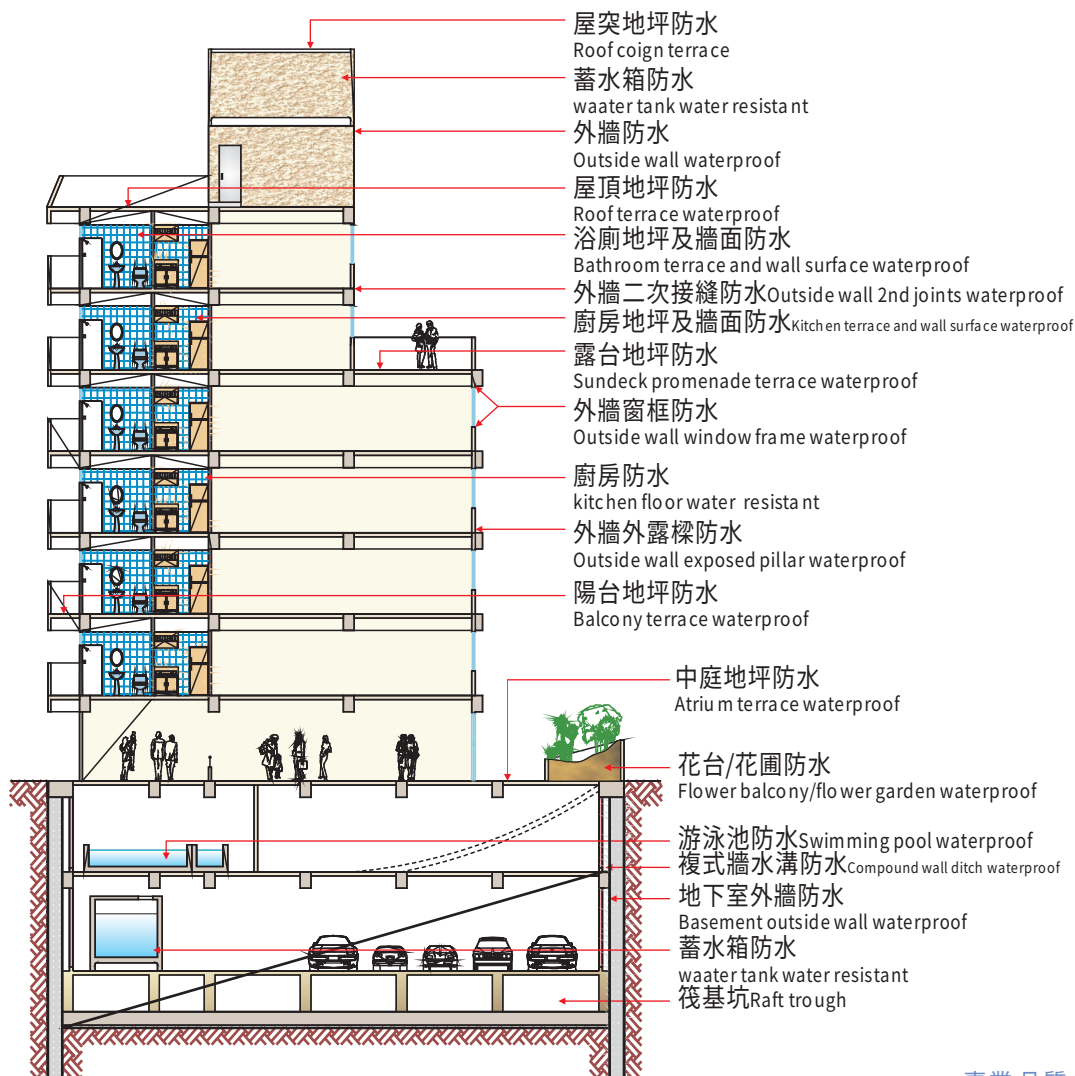
速凝油性類防水及造粒止滑塗料

『前言』 Introduction

SL-260聚脲(建築防水用聚胺酯)，因CNS規範並無聚脲測試規範，固採用聚胺酯測試方式。快速硬化塗料是一種以異氰酸酯與端氨基聚醚所構成的健康綠建材產品，具有快速凝固施工的新型工法。材料本身具有優異的物理性能，可提供被塗物體表面形成一堅韌防水膜，更可一次就達到需要的厚度，並可用於水泥、金屬、木材等施作面，具有優異的耐紫外線、抗樹根穿刺、抗一般汙水和溶劑，高機械性能和高韌性，優異的防水性能和耐磨耗性，並可調成多種顏色，長時間暴露於室外、不老化、龜裂，是一項優越的(健康綠建材)防水塗料。

Polyurethane waterproof coating is a kind of healthy green building material which mainly contains MDI and a speail ring size SPUA series material. The material is super physical feature. It can be coated and form a wearable and elastic membrane and it is resistant to dissovle. It won't delay the cement,metal,wood etc.surface.UV resistant,resistant to certain solvent,high machinery feature and flexible,super waterproof and wearable,coroful. It can exosure outside and anti-aging anticracking. It is an excellent waterproof coating.

『建築物防水施作位置示意圖』 Building waterproof construction position sketch map



『防水材料進化史』 Evolutionary history of waterproof materials



70年代	柏油-焦油 (煤產品)	<ul style="list-style-type: none"> ● 含硫磺成份，在德國被列為危險材料。
70年代	瀝青+油毛氈 (石油產品)	<ul style="list-style-type: none"> ● 自日據時代一直延用至今。
80年代	PU (Polyurethane)	<ul style="list-style-type: none"> ● 自1937年德國沃庫森實驗室發現。 ● 台灣到70年代後期及80年代初期大量使用至今。
90年代	彈泥 (Slug)	<ul style="list-style-type: none"> ● 採用某一單性樹脂+水泥骨材拌合而成之彈性體。
100年代	純聚脲 (Polyurea)	<ul style="list-style-type: none"> ● 噴塗速凝(約4-8秒)。 ● 高強度(約PU 10倍)、高硬度。
未來	滲透結晶砂漿 (天然活性矽酸)	<ul style="list-style-type: none"> ● 滲透性:滲透結晶可達3CM以上(28天)~20CM且毛細孔隙結晶密度可達100%。 ● 特異功能:獨特混凝土裂縫自動癒合能力。 ● 施工性:潮溼表面均可施工。 ● 防水性:抗負水壓效能特別突出。 ● 防蝕耐水性:混凝土耐久年限更延長。 ● 應用:結晶鏡面地板海岸混凝土防蝕防水。



『產品特性』 Product Characters

- ✓ 耐磨耗性、耐衝擊、耐震、耐壓、優異抗撕裂性、高耐水性及耐化學品，防腐、防蝕、防鏽、耐油、耐酸鹼...等。
(Wearable, shock-resistant, pressure resistant, anti-tearing, waterproof and chemical proof, anti-rust, anti-corrosion, anti-oil, acid and alkali resistant.)
- ✓ 耐候性佳(可長期外露)、耐老化、不龜裂。
(Weather resistant, UV-resistant, anti-aging, anti-cracking.)
- ✓ 施工簡易快速，用雙液恆溫80°C高壓噴塗機施作，快速硬化，可重複噴塗施工面達到所需厚度。
(Simple and quick construction, use with the double liquid thermostat 80°C high pressure spraying equipment. It is quick-setting. Repeat spraying to get a certain thickness.)
- ✓ 指觸乾燥時間約4秒，8秒已可在塗層上行走，20分後可試水等後續工種。
(Track free time is about 4 seconds, 8 second can be walked on top, painted on top, 20 minutes later can test water and other follow-up work.)
- ✓ 可任意於垂直面、斜坡面、凹凸不平面、屋頂面、連續面，噴塗，不產生垂流現象，一次施工，無接縫，一體成形，縮短時間。
(It is suitable for any vertical surface, sliding surface, uneven surface roof, slurry wall surface, no dripping when spraying, one construction, on seam)
- ✓ 產品耐高溫可達120°C，耐最低溫可達-40°C，且於短時間高溫250°C的情況下不產生龜裂、溶解等現象。
(It can resist 120°C high temperature and -40°C low temperature. And resist 250°C for a short time.)
- ✓ 100%固成分、不添加任何有機溶劑，取得健康綠建材標章。
(100% solid content, no organic solvent added, get healthy green building materials mark)
- ✓ 抗樹根穿刺，材料固化成膜後可耐一般酸鹼，特別在樹根釋出酸性液破壞樹根阻礙物時，可完全抵禦，海水、污水、酸雨...等侵蝕。
(Anti-root puncture, the material can be cured by film formation and can resist general acid and alkali, especially when the roots release acidic liquid to destroy the root blockage, it can completely resist the erosion of seawater, sewage, acid rain and so on.)
- ✓ 優異的物性，極高的抗張抗衝擊強度、韌性強、耐磨耗性能好、可噴成顆粒止滑、耐老化、防腐蝕、抗紫外線、抗震。
(Excellent physical properties, high tensile strength, toughness, good wear resistance, sprayable into particles, anti-slip, anti-aging, anti-corrosion, anti-UV, anti-shock.)
- ✓ 具有良好的穩定性，可在-30°C冰庫使用，100°C高溫地區長期使用，可承受350°C的短時熱衝擊。
(It has good stability and can be used in ice storage at -30 °C, long-term use in high temperature area of 100 °C, and can withstand short-term thermal shock of 350 °C.)



『產品用途』 Product use

SL-260防水耐磨塗料：防水、防蝕(腐)、耐磨。

SL-260 waterproof wear-resistant coating: waterproof、corrosion(rot),wear-resistant.

- 橋梁、隧道、地鐵(捷運)、碼頭、涵管、下水道...等公共工程。
Bridge,tunnel metro,dock,culvert pipe,sewer etc.waterproofing work.
- 體育場看台表面防水、停車場...耐磨地坪。
Stadium stand surface waterproofing,packing ec. wearable terrace projection.
- 外牆、屋頂、中庭、露臺、水池、泳池、降板浴缸、浴廁、花台、蓄水箱(池)...等地上及地下結構面防水工程。
Outside wall,roof,patio,terrace,water tank,swimming pool,bathtub,bathroom,flowew-stand reservoir and other waterproofing,corrosion resistant,anti-rust surface.
- 風力發電塔、汙水池、化學槽內外、耐酸鹼之防水、防蝕、防鏽...等被覆材。
Wind power station,cesspool,chemical tank inside and outside,acid and alkali resistant waterproof,corrosion resistant,anti-rust surface.
- 垃圾掩埋場、廢水處理設施、船舶、鋼板。
Landfill,waste water treatment facility,ship,steel board.
- 大壩、發電站防水工程。
Dam and power station waterproofing project.
- 其他暴露在外防水工程。
Other exposure waterproofing project.
- 道具、布景、天花板、水上娛樂設施等防撞保護材料。
Prop,scene,ceiling and floating resort facility shock resistant material.
- 是一種無縫防水保護膜，能夠在多種環境下的混凝土結構上使用。產品也用於與水接觸的鋼筋或其他材料的高性能保護塗層。
It is a seamless waterproof protective membrane. It can applied on the concrete structer in different enviornments. It also can use on steel bar and other material that contact water directly.
- 科技廠房、醫院、食品廠、藥場、賣廠、停車場、室內地坪、機場、無塵室(地坪和牆面)走道...等場地之耐磨地坪材。
Wearable terrace material of technology plant,hospital,food plant,medicine plant,parking place public indoor and outdoor terrace,airporat,dustproof room(floor and wall) passage ect.
- 顏色：黃、灰、綠、(其他顏色另調)。
Color: yellow,gre,green (and also other color).



『施工面整理』 Choose treating

混凝土基層應平整，堅實，疏鬆層應磨掉，蜂巢需打除，孔洞可用環氧樹脂砂漿或水泥樹砂漿混和攪拌均勻後鋪平，表面鐵絲需剪除、敲平、油汙需清除或燒除乾淨，角隅處樹脂砂漿作圓弧角。

The concrete foundation should be level, solid, the sparse floating coat should abrasion, hole available resin R (or primer EW) and the granulated sugar mix thick liquid levels, the slope reply gathers the building standard, the Tu Bude spreads the medicinal preparation.

『底塗的選擇』 Choose primer

根據基材 含水率應選用不同底塗劑/ primer choosing according to different moisture content

1. SL - 1400環氧樹脂補強材 (含水率10%以下可施工) 建議塗底。

SL-1400 EPOXY resin bottom coating (moisture content below 10%) bottom coating is suggested.

2. SL - 1200油性環氧樹脂底塗 (含水率10%以下可施工) 同上。

SL-1200 oil-based epoxy bottom coating (can be applied on surface water content not exceed 10%).

3. SL - 1500水性環氧樹脂底塗 (潮濕面可施工) 。

SL-1500 water-based epoxy bottom coating (can be applied on wet).

4. SL - 250硬化快速PU塗料 (潮濕面可施工) 需要馬上塗噴速凝聚胺酯(或)聚脲時。

SL-250 rigid quick-setting PU coating (wet surface is also ok) and spray SUPA immediately.

5. 其他素地面需挑選相容性底漆測試。

choose the compactible bottom coating for other ground surface.

『底塗用量』 Quantity of base coating

使用量約0.3~0.5kg/m²(依現況調整)，底塗A+B劑混和攪拌均勻，使用滾筒、刷毛、噴塗機、橡皮耙將底塗均勻塗佈在施工面上，表面再撒石英砂(增加附著力)。

0.3~0.5kg/m²(depends on situations), mix well the bottom coating A and B component coat or spray evenly on the construction face with roller or sprayer. Then put silicone sand on the surface to enhance adhesion.



『使用方法』 Use Method

將吸料棒分別插入聚胺酯(聚脲)A劑及B劑鐵桶內，若有沉澱現象先用專業攪拌機攪拌均勻，噴塗機啟動，吸到機器加熱到75°C左右，將料吸到噴塗機加熱桶內保溫，槍嘴對準噴塗面，左右均勻噴塗塗料達到要求厚度後，如需面漆20分鐘後~48小時內必須再噴塗佈耐黃變彩色面漆覆蓋，切勿僅對準單一位置連續噴塗，以免產生流淌現象，且不宜超過48小時才噴塗面壁，否則聚脲表面需再行研磨。

Insert the material absorb sticks into A and B barrel respectively. If there is sedimentation, please stir it with the special machine fist. After it is even, absorb it in the machine to heat at about 80°C, start the spraying machine, and the material to heating barrel to keep warm. ponit the gun to the construction surface, spray from left to right to reach a certain thickness. 20 min to 48 hours spray the non-yellowing colorful top coating to cover it. Do not spray at one spot for long to avoid dropping. Don not spray after 2 days, oherwise the surface needs to be ground.

『厚度與用量』 Thickness and amount used relations

厚度 Thickness	1MM	1.5MM	2MM	3MM
用量 Amount	1.1Kg/m ²	1.65Kg/m ²	2.2Kg/m ²	3.3Kg/m ²

※以上計算方式僅供參考 / The above calculating is only for reference

『施工重點』 Construction focus



**1. 美國GRACO SPUA專用
配比噴塗設備1比1雙液型加溫**



2. 底漆施作



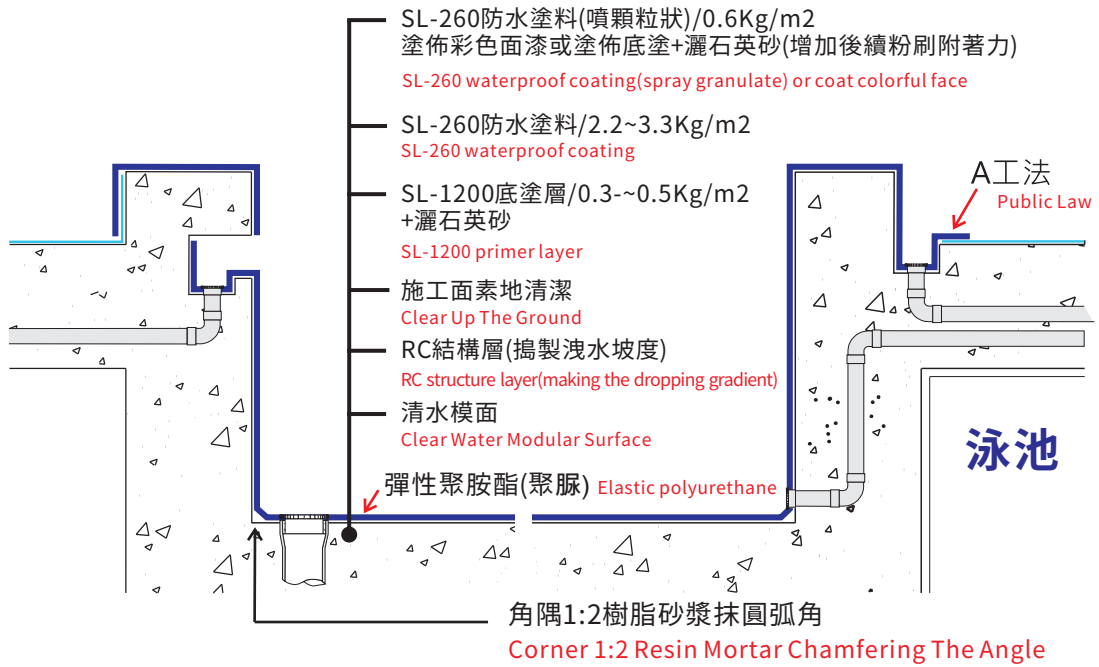
**3. 以塑膠膜保包覆保護管線管
路作保護層**



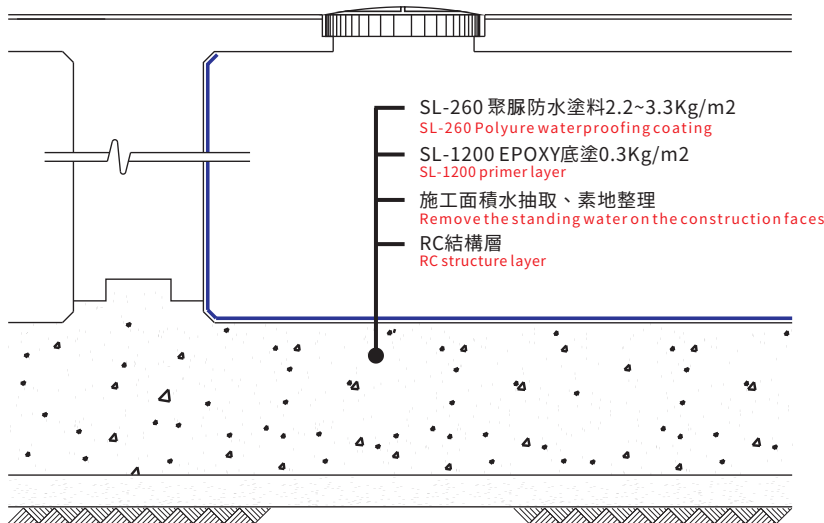
4. 人員施工之情形



『層次圖』 Layers map

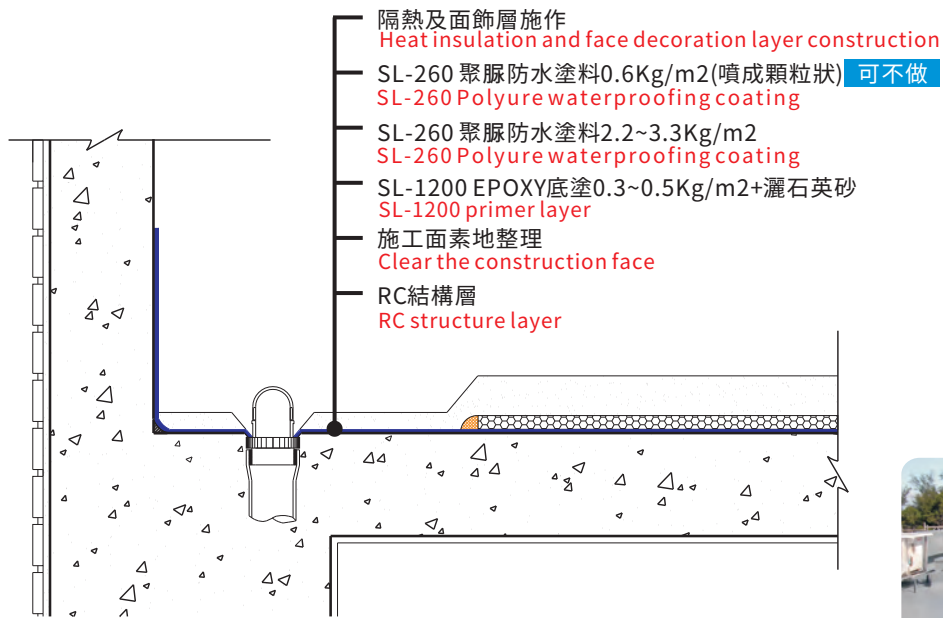


化學儲存槽防鏽蝕及保溫示意圖
Chemical storage tank(rust proof and thermal insulation)sketch map

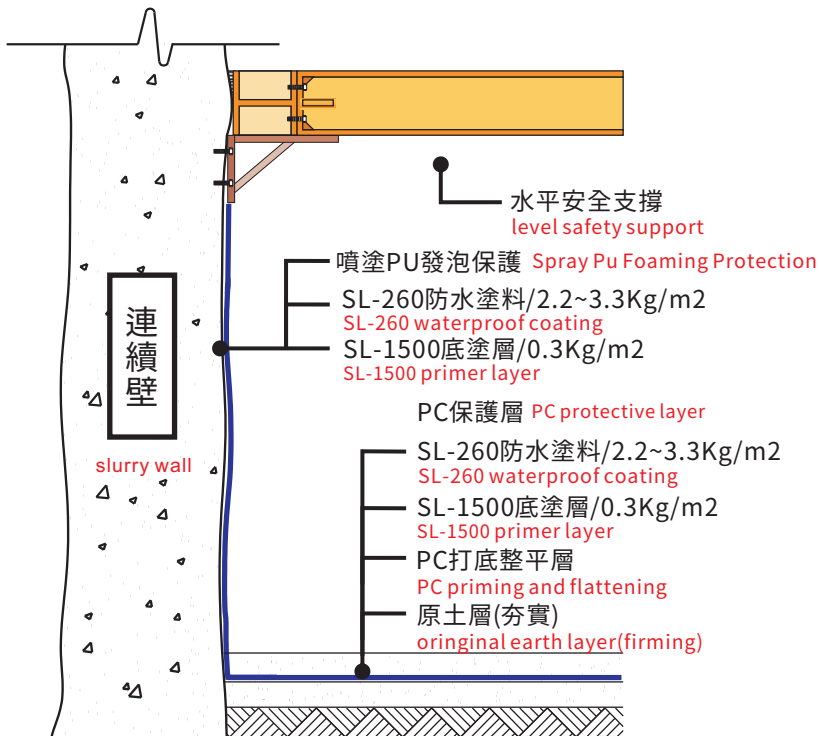


SL-260-污水坑防水防蝕示意圖
SL-260 sewage sump waterproof and corrosion proof sketch map



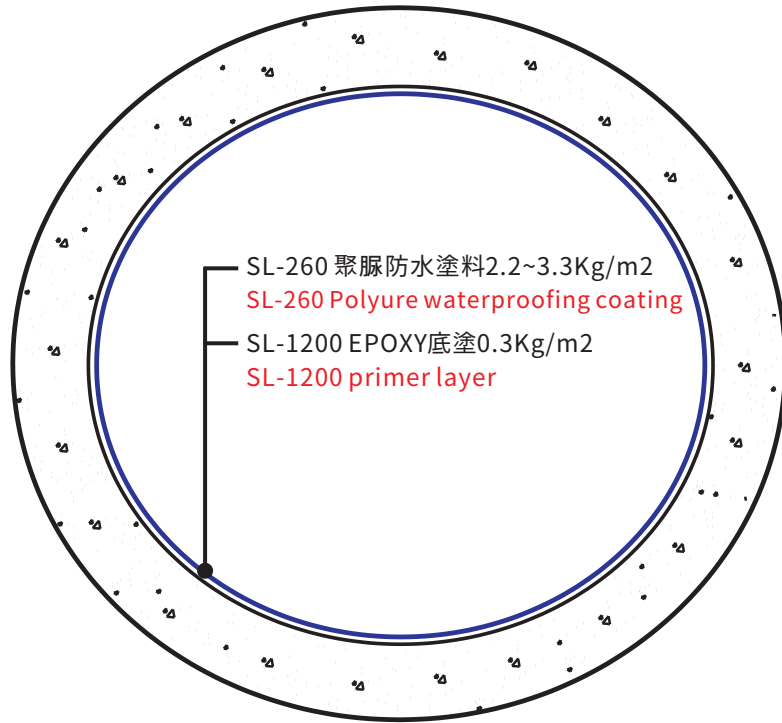


SL-260-屋頂防水示意圖
SL-260 water tank waterproof and corrosion proof sketch map



SL-260-地下室外牆防水工程示意圖
SL-260 water tank waterproof and corrosion proof sketch map



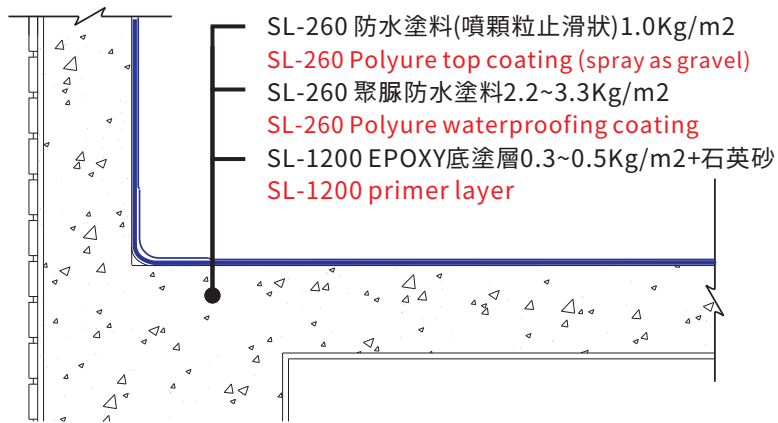


SL-260-涵管內防水防腐防蝕示意圖
 SL-260 culvert pipe inside waterproof and corrosion proof sketch map

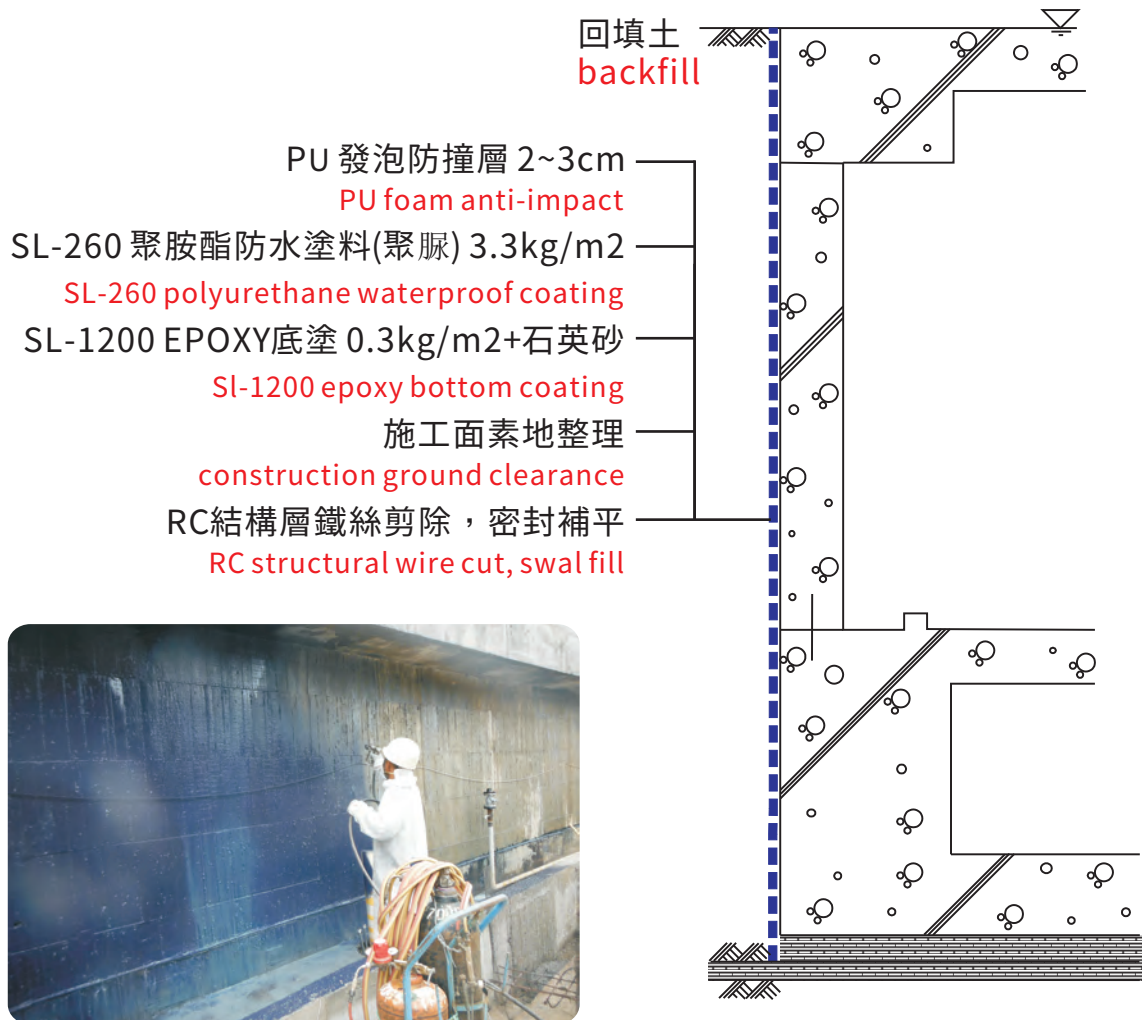


SL-260-橋樑面防水防蝕示意圖
 SL-260-1 bridge face waterproof and corrosion proof sketch map



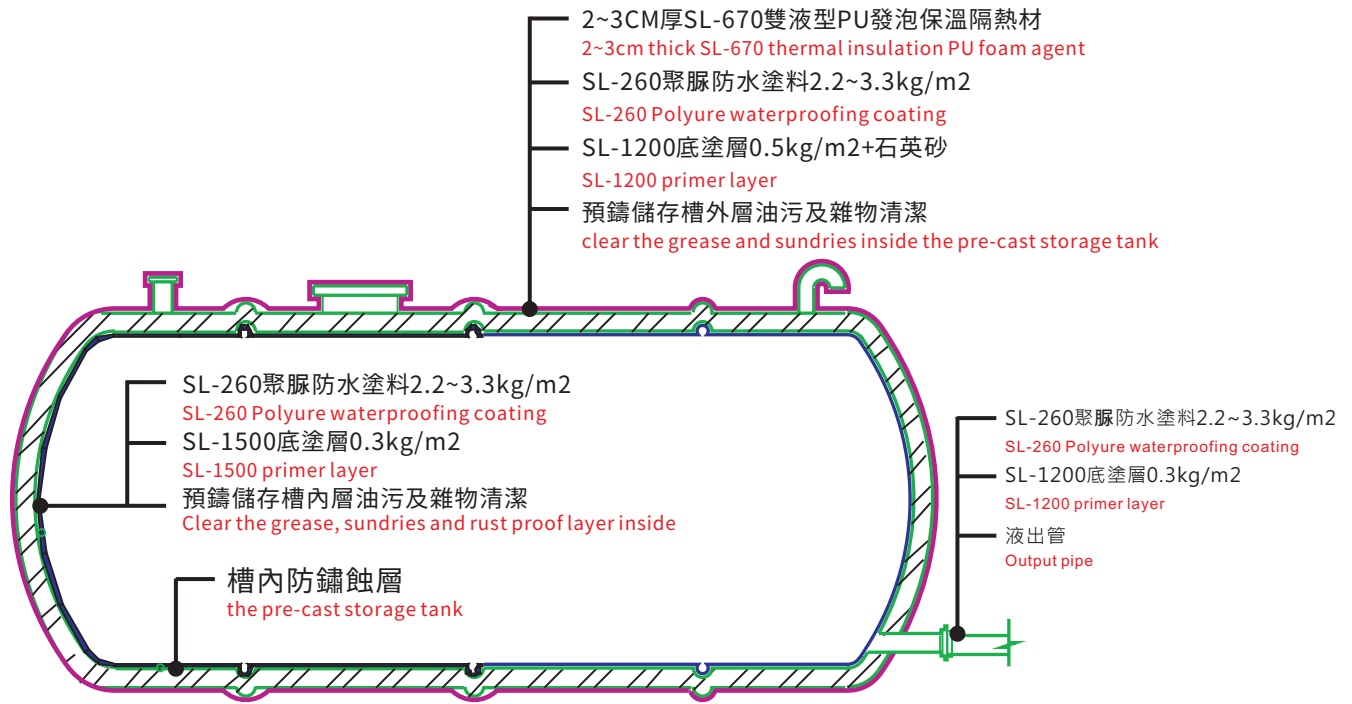


SL-260-耐磨地坪剖面示意圖
 SL-260 wearable terrace cross-section map



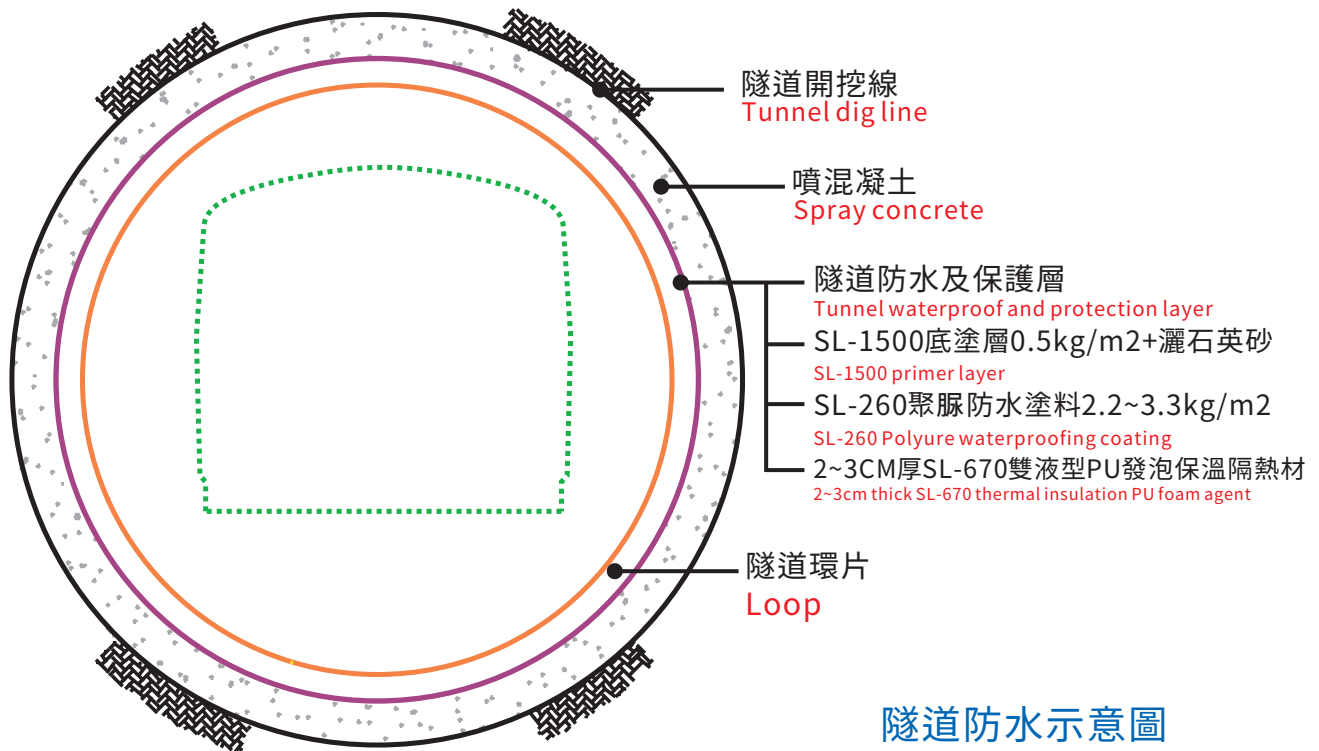
地下室外牆防水工程
 basement outside wall waterproof project sketch map





化學儲存槽防鏽蝕及保溫示意圖

Chemical storage tank(rust proof and thermal insulation)sketch map



隧道防水示意圖

Loop waterproof sketch map



1. 防水材料使用注意事項 / Mater Using

- 室內、外氣溫如在-25°C以下，相對濕在(65%以上)盡量避免施工。

Do not use if the indoor and outdoor temperature is below -25°C or RH is above 65%.

- 材料正常出凝硬化時間為8秒，完全反應完成需72小時，如施工時濕度過高或氣溫過低，請注意材料後續是否接著不良、固結成型不佳，如因天候之影響，破壞防水膜體，需重新補施作。

The initial setting time is 8 secs and it takes 72 hrs to complete the reaction. If RH is too high or temperature is too high or the temperature is too low, the subsequent material may not adhere or set well. If the weather has bad impact on it, damage the waterproof membrane, another spraying is needed.

- 在屋面彩色鋼板面上施作時，如氣溫過高致使鋼板面過熱時，請先塗噴底漆降溫及介面處理，在行施作防水層以利施作面品質。

When applied on the roof colorful steel board, if the temperature is too high and the steel board is too hot, please spray primer to cool the steel board and then construct the waterproof layer to make the quality better.

- 新澆置之混凝土結構需有28天養生期，待養生期過後再施作防水，讓防水體達到最好品質。

28 day of maintenance period is better for new pouring concrete or wiping cement mortar layer structure. Waterproof construction after maintenance period will lead to a good quality.

- 施作之素地面盡量保持乾燥，如有積水等現象請將施工面上的積水清除，能烘乾更佳。

Try to keep construction ground dry. Clean puddle of water on construction surface.

- 施作防水之素地面上，如有油漬或可能導致防水層接著不良之化學物質，請先將其清除後，在汙染處重新施作底塗。

Clean inferior chemical stuff like oil sludge which may induce bad attachment on construction ground. After cleaning, re-construct bottoming on polluted place to cover it.

- 請按照材料混和比例之規定使用。

Please abide by the material mixing proportion advise.

- 底塗材之附著力決定後續之防水穩定度，施工請注意正確施作程序，而每一道防水層施作都需在先前的材料初凝固化後，方可施作。

The attachment of undercoat is decided by the stability of following materials. Please notice correct construction process. Continue next construction step after making sure that initial and solidifying are completed for previous step.



- 防水層施作時要避免積料或施作厚度不均等現象。

Avoid too much material accumulation or uneven thickness while doing waterproof construction.

2. 安全防護注意事項 / Safety and Protection Remark

- 施工前材料拌合之周邊需要做好防護及保護措施，鋪設防護板及帆布等避免汙染，噴塗時需穿防護衣...等措施。拌料時需放置8分滿清水的桶作為施工人員清洗之用。

Before stir the material the surrounding need to be protected. Lay protective board or canvas to avoid pollution. Suitable protective clothes are needed when spraying. Barrels with clean water for the construction workers is needed to be put in the concern.

- 塗料容器等避免隨便棄置。

Avoid throwing away coating containers without concern.

『安全須知』 Safety instructions

1. 本品嚴禁吞食，施工時應穿戴保護裝置，避免接觸眼睛和皮膚。

Do not swallow, wear the protective equipment when working, avoid touching the eyes and skin.

2. 接觸皮膚時應用乾淨布條擦去，盡速用清水清洗，接觸眼睛需立即用布條擦去並用大量清水沖洗，即刻送達醫院進行就醫。

Wipe the material off the skin and wash with clean water, when it comes to eyes, wipe the material off the skin and wash with clean water and go to hospital immediately.

3. 避免以肥皂水或其他化學藥劑物質清洗傷口患處。

Do not use soap water or other chemical material to wash the wound place.

4. 不得將塗料棄置於下水道，不要置於兒童能接觸的地方。

Do not abandon it in the water pipe and don't put it on the place that kids can reach.

5. 施工現場禁止抽菸和使用火源。

No smoking or fire sources in the construction place.



『施工圖』 Construction illustration

聚胺酯(聚脲)防水層耐磨噴塗

SUPA waterproof layer wearable spraying equipment



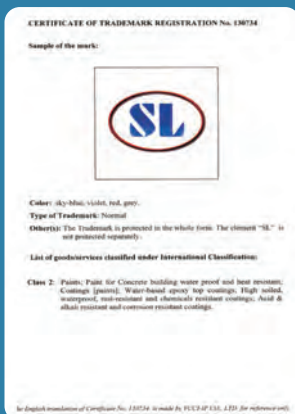
『包裝及儲存』 Packing and storage

- ✓ 50加侖/ 圓鐵桶。50 gallon/round iron barrel.
- ✓ A + B = 1 : 1
- ✓ 儲存在+5°C~+27°C環境下可儲存12個月。Store in +5 ~ +27°C for 12 months.

Note: 本說明書的內容是建立在於真實準確的數據與理念上，供材料使用者參考，由於無法改變控制施作時天候所造成之材料質變等各種不確定因素，所以我們無法負責保證現場施作所得之結果。請詳閱我方所提供之產品說明，我方銷貨條件及有關聲明和建議，都不可用來違反法律規則或侵犯第三者利益。

The content of this manual is created on real and precise statistics and principles as a reference for material users. As some factors can not be made sure such as material qualitative change by different climates, we are not responsible for the result because of different construction conditions. Please read our product instructions, selling conditions and related statements and suggestions, which are not used to violate law rules or to invade the right and advantage of third party.





專業 · 品質 · 創新 · 服務

台灣盛隆 關係企業

台灣總公司(工程部)

台北市信義區基隆路二段115號11樓
TEL:(02)8732-7555
FAX:(02)8732-6677
EM:SL@shenglong.com.tw
www.shenglong.com.tw

上海分公司

上海松江區新橋鎮榮樂東路28號10號樓5樓
TEL:86-21-5186-0079
FAX:86-21-6806-0355
EM:shengchong@shengchong.cc
www.shenglong.cc

台灣三峽廠(建材部)

辦事處: 新北市三峽區大同路286巷26號之1
工廠: 新北市三峽區紫新路30號
TEL:(02)2668-1234
FAX:(02)8672-6426
EM:sheng.long8@shenglong.com.tw
www.shenglong.com.tw

廣州分公司

廣州市天河區廣州大道北路649號之十A23舖
TEL:86-02-8876-5876 / 86-20-8764-5870
BP:137-2809-1795

北京直營店

北京市豐台區南苑路臨106號(和義五金機電城G區13號)
BP:186 0072 2357

惠州直營店

廣東省惠州市河南岸馬庄金湖路134號
BP:159 1942 1928

成都直營店

成都市金牛區九里堤中路41號
BP:159 8282 2171 / 159 0236 5225

合肥直營店

合肥市瑤海區福海新居D樓114室
BP:136 7551 6543

青島直營店

山東省青島市李滄區書院路226號
BP:186 5321 9395

福州直營店

福州市晉安區珠寶路69號
BP:186 5321 9395

