


**LABOND “MPSeal I301pu” – Pipe Through Wall Problem**  
**立康牌 “MPSeal I301pu” 液態聚安脂防水注射系統 - 過牆喉問題**

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| <p><b>Step 1 步驟 1</b><br/>Observe the area of water sweepe, then find out the source and reason of problem.<br/>先觀察漏水位置，了解滲水原因及位置。</p>  | <p><b>Step 2 步驟 2</b><br/>Make sure necessary tools including MP A360 high pressure hand pump, MPSeal I301pu, Mp nozzle A903, 1 drum of clean water, 1 drum of xylene are ready.<br/>先準備好萬寶 A918 高壓泵, A903 針咀, Mpseal I301pu, 一桶清水, 一罐天拿水。</p>   | <p><b>Step 3 步驟 3</b><br/>Set up “injection holes” for every 150 to 200 mm leaner distance ( with 45° across the surface along the water sweepe area) by drilling machine for embedding injection nozzle.<br/>沿漏水範圍，每隔 150mm- 200mm 以 45° 斜度鑽開可轉入打針咀的洞口。</p>  |
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| <p><b>步驟 4</b><br/>Install Mpnozzle A903 and twist tightly by tool.<br/>放上針咀並以“士巴拿”以扭力逼緊針咀。</p>   | <p><b>Step 5 步驟 5</b><br/>Firstly starting injection of clear water into the hole by MP A918.<br/>開始用“MP A918”壓力泵注入清水。</p>   | <p><b>步驟 6</b><br/>During “water injection” is undergoing, pressurized water will flow along the truck crack and then path into it’s potential subsidiary cracks ; water will finally sweep from those cracks. Then, shift to another hole with same procedure.<br/>每次注水時，水份會從主幹裂痕分流至其連接的支流裂縫位置。水份會從裂縫滲出。完成後，轉移到另外一個針孔。</p> |
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| <p><b>步驟 7</b><br/>After completion of “Water injection” for all setted nozzle, clean the tools (pump, host) by xylene solvent to ensure that there is no water portion in the tools. Then start “Mpseal I301pu injection” by same tools and same method as step 6.<br/>在所有位置完成灌水後，先將工具（針，喉及泵）用“天拿水”洗好，不能有水份接觸，然後依照步驟 6 注射針水。</p> | <p><b>步驟 8</b><br/>During injection of “MPSeal I301pu”, water will sweep from the cracks, then follow by “white colour jelly liquid”. (This indicate that MPSeal I301pu just partially react with water). If this kind of jelly liquid keep running out, that means the flowing rate of injection is too fast to allow completed reaction between MPSeal I301pu and water. In this case, stop pumping action and seal the hole by “waterplug” mortar. Restart the injection process afterward. For successful injection, the sequence of material flowing out from the hole are “Water”, “White-Jelly liquid”, “Yellow foamy liquid”. Then, sweeping problem should stop immediately. But in some case, sweeping problem might start again after a few days, start injection procedure again until all potential water sweeping path are sealed by MPSeal I301pu.<br/>常灌入針水後，水先會從裂縫流出，再出現白色厘狀（這顯示 MPSeal I301 只局部性與水份產作用），如果此類持續流出一段時間，這是因為注射縫度太快，MPSeal I301 未有足夠時間與水完全產作用。這情況下，需先停止注射，用快乾英泥封妥出口，待針水凝固好，再補針。如屬成功注射，從裂縫流出液體次序為水，白色液體，最後是黃色針水。然後所有滲漏情況便即時停止。在一些情況下，有可能隔數天後會再漏，只需再補針注射張剩餘漏水位置封妥便可。若針水滲出的情況非常嚴重則代表針水未趕及潮脹已被割出，在這情況下，需用快乾英泥暫時封好，待針水凝固，再補灌。如想取得更好效果。一般情況下，處於漏水狀態的裂縫或蜂巢石尿會在打針後，立即達到止水效果。若是仍然有水流出，則需繼續加孔補針直至止水為止。</p> |   |
|    | <p align="center"><b>技術意見</b></p> <p>以上範例只是其中一種漏水情況，形成原因是安裝每層之間的過牆喉時，填封水泥不當，水泥層出現不規則滲水，打針範圍是沿水影分散種針。</p>   | <p align="center"><b>Technical Data</b></p> <p>The above desmountration in just one of the water sweeper problem caused by in proper installation of pipe through wall between “Floor to Floor” The path of water sweeper is irregular, therefore injection nozzle are set around the water sweeper area.</p>               |