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水性壓克力填縫劑產品規格書

版本 Issue Date : 2019/12

產品名稱 Product Name : 水性壓克力填縫劑

產品型號 Product No. : 470

產品描述 Product description :

屬於水性丙烯酸樹脂產品，單組份，脫水固化填縫劑，並在室溫下，脫除水氣產生固化，形成有彈性的丙烯酸膠體，具有吸震與緩衝之效果，適合室內、外木材防水接著與填縫使用。

1. 產品資訊 Product Information

No.	項目 Item	規範 Specification
1-1	外箱尺寸 Carton size :	250mm*247mm*242mm
1-2	每箱數量 Quantity :	25 支
1-3	每支容量 Capacity :	170mL
1-4	顏色 Colour :	白色、百合白、原木
1-5	保存期 Storage Life :	18 個月
1-6	適用材質(Material) :	木材、石材

2. 使用環境 Apply Environmental Condition

No.	項目 Item	規範 Specification
2-1	存儲溫度 Storage Temperature Range	25°C
2-2	存儲濕度 Storage Humidity range	50%
2-3	操作溫度 Operating Temperature Range	5~40°C
2-4	固化系統 Cure System	脫水固化

3. 測試環境 Standard Test Environment





No.	項目 Item	規範 Specification
3-1	溫度 Temperature range	25°C
3-2	濕度 Humidity range	70%

4. 物理特性 Physical Specification

No.	項目 Item	規範 Specification
4-1	擠出率 Extrusion Rate (g/min)	900-1400
4-2	垂流度 Sag (mm)	0
4-3	表乾時間 Take Free Time (min)	-
4-4	硬度 Hardness (Shore A)	14
4-5	比重 Specific Gravity	1.4-1.5
4-6	抗張強度 Tensile Strength (kgf/cm ²)	2-3
4-7	撕裂強度 Tear Strength (kgf/cm)	2.5-4

4-8	延伸率 Elongation (%)	400-500
4-9	固化後耐溫 Temperature Limited (°C)	0~100

5. 使用說明 How To Use

   	<ol style="list-style-type: none"> 適當清潔欲填縫之物體表面，確認無油漬及水分，必要時清潔後以風扇或熱風烘乾接著物體表面水分。 將欲施工之填縫周圍以膠帶貼紙貼合緊密，以避免不需填縫處被壓克力膠污染。 用刀片將膠瓶頭部切開，保留約 0.5 公分高度之螺紋，將塑膠尖頭旋入膠瓶頭部，並將尖頭依實際需要切開所需之大小。 將膠瓶置入矽利康槍手工具中，擠壓至填縫處，以刮刀或其他適合工具將其抹平即完成修補動作。 取下膠帶貼紙，並注意膠帶上之殘膠不要污染到其他區域。 工作完成後 48 小時內勿碰觸，以免未乾燥而造成變形。7-14 天後壓克力膠會完全硬化此時可發揮最大之接著性及密封性。 在使用及硬化過程中會釋放出些微氣味，屬於正常情況，待完全硬化後即會消失。
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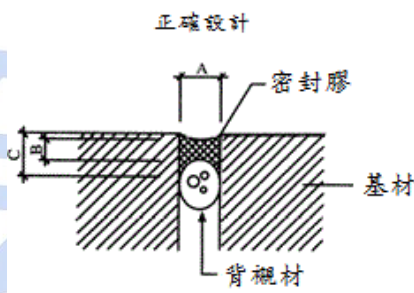
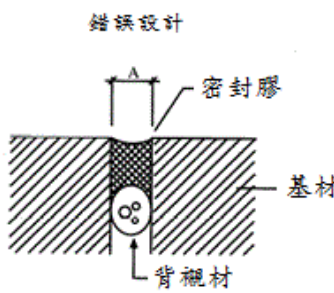
6. 使用範圍 Use range

No.	規範 Specification
6-1	<ol style="list-style-type: none"> 要求室內環境之裝潢填縫使用 磁磚縫隙填縫。 木材填縫專用。

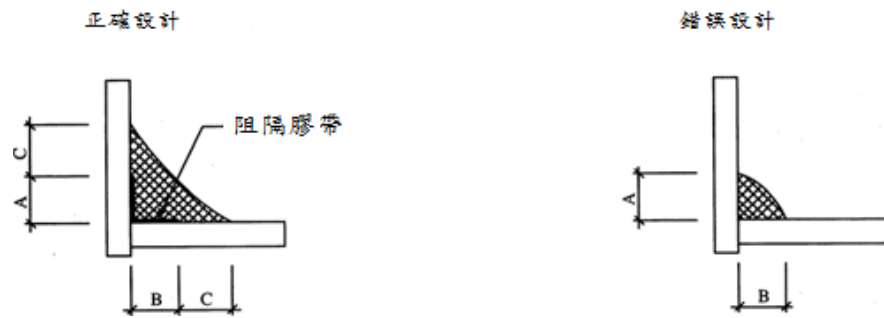
7. 注意事項 Limitation

No.	規範 Specification
7-1	<ol style="list-style-type: none"> 1. 材質表面須是乾淨、乾燥、無灰塵污染及無凍霜的，用遮罩膠帶黏在界面四周。 2. 若需要底塗液，底塗液必須施打在清潔的表面。 3. 按要求使用背襯材料或阻隔膠帶。 4. 打膠時需讓膠注滿界面空隙。 5. 刮膠是為了確保膠有流暢的接縫，具有正確的形狀及與基材完全接觸。 6. 不可用於建築結構或玻璃帷幕接著、室外建築主體之接著。 7. 請保存於 25°C 以下之乾燥場所。 8. 使用時不要直接接觸到皮膚，請戴上手套、口罩及眼鏡。 9. 避免接觸眼睛、避免小孩接觸若不慎沾到請立即沖水並就醫。 10. 生產日期 36 個月內使用完畢。

8. 界面設計 Interface Design

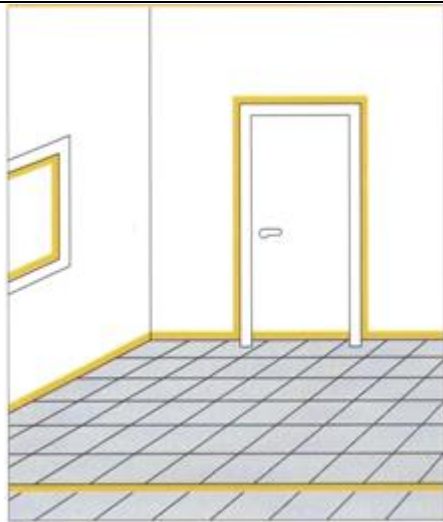
No.	規範 Specification
8-1 移動接口	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>正確設計</p>  </div> <div style="text-align: center;"> <p>錯誤設計</p>  </div> </div> <ol style="list-style-type: none"> 1. 尺寸 A 至少必須有 6mm。 2. A:B 最佳比例應保持在 1.5:1。 3. 尺寸 B 沒背襯材時，不得超過 4mm。 4. 建議尺寸 A 最大為 10mm。 5. 界面表面須刮成內凹狀。

8-2
 角部接口



1. 尺寸 A 和 B 至少必須有 6mm(固定界面，無需阻隔膠帶)。
2. 如果設計之界面會移動，必須使用阻隔膠帶和背襯材，沒有阻隔膠帶材料，界面則無法承受位移。
3. 界面表面須刮成內凹狀。
4. 尺寸 C 至少為 6mm。

8-3
 室內填縫



1. 室內牆壁和地面間接縫
2. 室內牆面接合處的角落接縫

9. 檢測報告 Test Report



化學實驗室-高雄

試驗報告

號碼：KC/2017/40292R1

日期：2017/05/15

頁數：1 of 6

互力精密化學股份有限公司
新竹縣湖口鄉光復北路78號

以下測試樣品係由客戶送樣，且由客戶聲稱並經客戶確認如下：

樣品名稱：水性壓克力填縫劑
收件日期：2017/04/25
測試期間：2017/04/25 TO 2017/05/03
送樣廠商：互力精密化學股份有限公司

=====
測試需求：依據客戶要求，參考RoHS 2011/65/EU Annex II 指令進行鎘，鉛，汞，六價鉻，多溴聯苯，多溴聯苯醚測試。
測試方法：請見下一頁。
測試結果：請見下一頁。
結論：根據客戶所提供的樣品，其鎘，鉛，汞，六價鉻，多溴聯苯，多溴聯苯醚的測試結果符合RoHS指令2002/95/EC的更新指令2011/65/EU之要求。



張伯睿
報告簽署人/張伯睿 博士/技術經理



化學實驗室-高雄

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互力精密化學股份有限公司
新竹縣湖口鄉光復北路78號

測試結果

測試部位 No.1 : 白色 水性壓克力填縫劑

測試項目	單位	測試方法	方法偵測 極限值	結果	法規 限值
				No.1	
鎘	mg/kg	參考IEC 62321-5: 2013方法, 以感應耦合電漿原子發射光譜儀(ICP-AES)檢測.	2	n.d.	100
鉛	mg/kg	參考IEC 62321-5: 2013方法, 以感應耦合電漿原子發射光譜儀(ICP-AES)檢測.	2	n.d.	1000
汞	mg/kg	參考IEC 62321-4: 2013方法, 以感應耦合電漿原子發射光譜儀(ICP-AES)檢測.	2	n.d.	1000
六價鉻	mg/kg	參考IEC 62321: 2008方法, 以UV-VIS檢測.	2	n.d.	1000
多溴聯苯總和	mg/kg	參考IEC 62321-6: 2015方法, 以氣相層析/質譜儀(GC/MS)檢測.	-	n.d.	1000
一溴聯苯			5	n.d.	-
二溴聯苯			5	n.d.	-
三溴聯苯			5	n.d.	-
四溴聯苯			5	n.d.	-
五溴聯苯			5	n.d.	-
六溴聯苯			5	n.d.	-
七溴聯苯			5	n.d.	-
八溴聯苯			5	n.d.	-
九溴聯苯			5	n.d.	-
十溴聯苯			5	n.d.	-
多溴聯苯醚總和	mg/kg	參考IEC 62321-6: 2015方法, 以氣相層析/質譜儀(GC/MS)檢測.	-	n.d.	1000
一溴聯苯醚			5	n.d.	-
二溴聯苯醚			5	n.d.	-
三溴聯苯醚			5	n.d.	-
四溴聯苯醚			5	n.d.	-
五溴聯苯醚			5	n.d.	-
六溴聯苯醚			5	n.d.	-
七溴聯苯醚			5	n.d.	-
八溴聯苯醚			5	n.d.	-
九溴聯苯醚			5	n.d.	-
十溴聯苯醚			5	n.d.	-

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化學實驗室-高雄

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互力精密化學股份有限公司
新竹縣湖口鄉光復北路78號

備註：

1. mg/kg = ppm ; 0.1wt% = 1000ppm
2. n.d. = Not Detected / 未檢出
3. MDL = Method Detection Limit / 方法偵測極限值
4. "-" = Not Regulated / 無規格值
5. 此份報告替代之前之報告 (號碼 KC/2017/40292).

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試驗報告

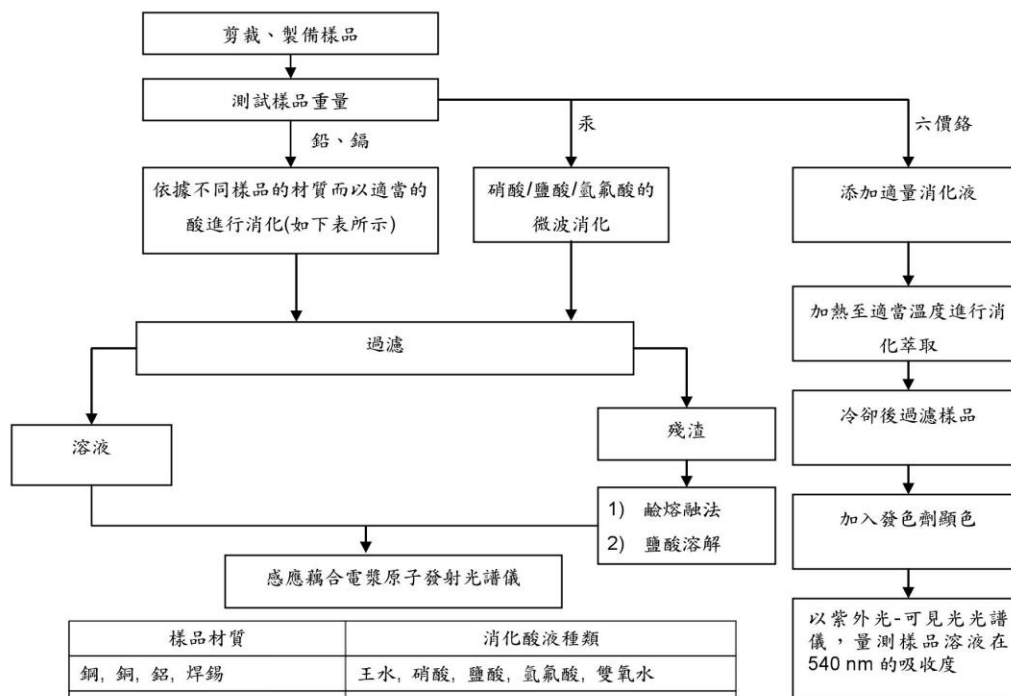
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互力精密化學股份有限公司
新竹縣湖口鄉光復北路78號

- 1) 根據以下的流程圖之條件，樣品已完全溶解。(六價鉻測試方法除外)
- 2) 測試人員：劉俊宏
- 3) 測試負責人：張伯睿



樣品材質	消化酸液種類
銅, 銅, 鋁, 焊錫	王水, 硝酸, 鹽酸, 氫氟酸, 雙氧水
玻璃	硝酸, 氫氟酸
金, 鉑, 鈦, 陶瓷	王水
銀	硝酸
塑膠	硫酸, 雙氧水, 硝酸, 鹽酸
其他	加入任何酸至完全溶解

Note** : (1) 針對非金屬材料加入鹼性消化液, 加熱至 90~95°C 萃取。
(2) 針對金屬材料加入純水, 加熱至沸騰萃取。

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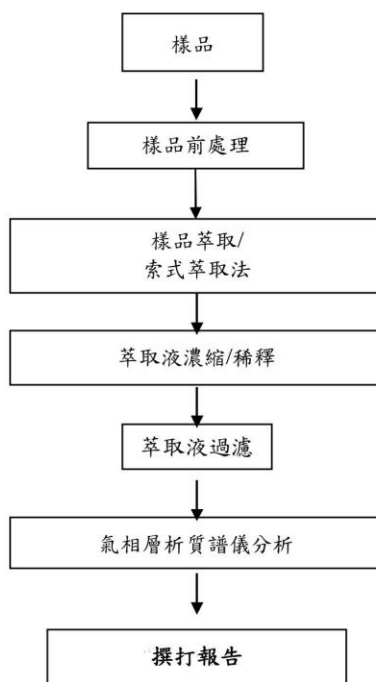
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互力精密化學股份有限公司
新竹縣湖口鄉光復北路78號

多溴聯苯/多溴聯苯醚分析流程圖

- 1) 測試人員：陳威錚
- 2) 測試負責人：張伯睿



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