

CHEMLINE

- 管線
- 金屬表面
- 鋼構儲存槽

聚 氨 酯 聚 脲 防 蝕 專 用 塗 料



CHEMTHANE 2265

CHEMTHANE 2240

CHEMTHANE 8185

Polyurea Polyurethane Pipeline Coating for Corrosion Control

- PIPELINE
- METAL SURFACE
- STEEL STORAGE
TANKS

CHEMLINE



CHEMTHANE 2240

CHEMLINE

鋼構儲存槽及管件防蝕聚脲

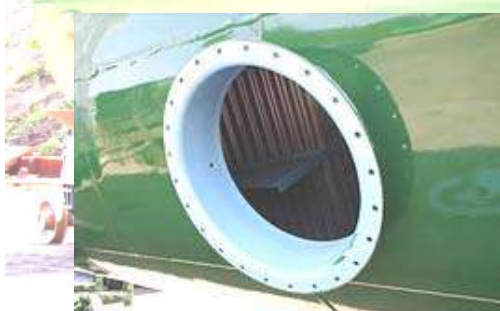
Polyurethane Corrosion Control Coating

Chemthane 2240 為主劑：硬化劑混合比例 1:1 的雙組份，快速硬化聚氨酯噴塗材。本產品為 100% 固成份且不含揮發性有機物質(VOCs)，可直接塗佈於鋼構表面，不需底漆。塗佈後能提供優異的耐化學性及耐腐蝕性，且抗衝擊、耐磨、具彈性，能保護裝運過程中的損傷。

Chemthane 2240 is a 1:1, fast-set, spray applied two-component polyurethane coating. It is 100% solids and contains zero VOCs. It is applied directly to prepared steel without the use of a primer. Once applied, Chemthane 2240, imparts excellent chemical resistance, corrosion control, and protection from handling damage due to its optimized balance of flexibility, impact strength and abrasion resistance.

- 通過 Underwriters Laboratories(UL)實驗室認證，能應用於地下管槽
- 高交聯密度的配方，能提供優異的耐腐蝕性
- 優異的流平特性，能產生美觀的表面
- 100%固成份，且不含揮發性有機物質

- Underwriters Laboratories(UL) UL 1746 Part I & IV Approved
- Formulated with a high crosslink density to provide excellent corrosion resistance.
- Due to its excellent leveling characteristics, yields an aesthetic finish.
- 100% solids coating and is formulated with zero



項目 Item	測試方法 Test Method	測試數值 Test Result
耐磨耗性 Abrasion Resistance	ASTM D-4060	110 mg 的損耗 110 mg loss
耐撞擊性 Impact Resistance	ASTM G-14	>40 inlbs
硬度 Hardness	ASTM D-2240	70-73 蕭氏 D 硬度 70-73 Shore D
柔曲性 (心軸) Mandrel Bend	ASTM D-522	無龜裂(3" 軸 180°) No Cracking (3" Mandrel 180°)
抗張強度(psi) Tensile Strength	ASTM D-412	5200 psi

CHEMTHANE-2265

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飲水級聚脲管件內襯防蝕專用塗料

Polyurea Polyurethane Pipeline Coating for Corrosion Control

CHEMTHANE-2265 為主劑：硬化劑混合比例 1:1 的聚脲/聚氨酯噴塗材料，快速硬化且可直接塗佈於金屬。本產品為 100%固成份且不含揮發性有機物質成份(VOCs)。主要應用於大型輸送飲用水、廢水及生水內、外管壁。

CHEMTHANE-2265 is a 1:1, direct-to-metal, fast-set, spray applied polyurea polyurethane coating. It is 100% solids and contains zero VOCs. It is primarily specified as an interior lining and an exterior coating for large diameter transmission lines of potable water, waste water and raw water.

● 通過 AWWA C-222-08 標準

AWWA C-222-08 Certified

● 經 ANSI/NSF 61 飲用水核准

ANSI/NSF61 Approved

● 無可塑劑，不含瀝青成份及其他碳氫稀釋劑

Non-Extended



項目 Item	測試方法 Test Method	測試數值 Test Results	C-222-08 規範數值 C-222-08 Value
金屬黏著性 Adhesion to Steel	ASTM D-4541	>3200 psi	>1500 psi
耐磨耗性 Abrasion Resistance	ASTM D-4060	<55 mg 的損耗 (loss)	<100 mg 的損耗 <100 mg loss
耐撞擊性 Impact Resistance	ASTM G-14	>85 inlbs, 6cm.o.d pipe 管內	>75 inlbs.
		>125 inlbs, flat plate 平面	
硬度 Hardness	ASTM D-2240	73 蕭氏 D 硬度 73 Shore D	>65 蕭氏 D 硬度 >65 Shore D
柔曲性 (心軸)Mandrel Bend	ASTM D-522	無龜裂 No Cracking	3" 軸 180° 3" Mandrel 180°
吸水率 Water Absorption	ASTM D-570	<1.5%	<2%
陰極剝離 Cathodic Disbandment	ASTM G-95	<12mm	<12 mm
介電強度 Dielectric Strength	ASTM D-149	>600 伏特/mil (volts/mil)	>250 伏特/mil(volts/mil)

ASTM D-543 抗化學性 Chemical Resistance

項目 Item	測試方法 Test Method	測試數值 Test Result	C-222-08 規範數值 C-222-08 Value
10%硫酸 10% Sulfuric Acid	ASTM D-543	<2%	最大 5%變化於重量、長度、寬度 (浸泡 30 天) 5% maximum change in mass, length or width after 30 day immersion
30%氯化鈉成分 30% Sodium Chloride	ASTM D-543	<2.5%	
30%氫氧化鈉 30% Sodium Hydroxide	ASTM D-543	<2%	
#2 柴油#2 Diesel Fuel	ASTM D-543	<3.5%	



CHEMTHANE 8185



快速固化聚脲填縫材

Fast Set Polyurea Joint Filler for Control Joints and Random Cracks

Chemthane 8185 為 100%固成份與不含揮發性有機化合物之快速固化的雙組份自流平聚脲填縫材，用於防止工業混凝土地坪伸縮縫遭受到硬輪和重型機具所引起之伸縮縫的破裂，同時具有優良的耐化學性與耐磨性。

Chemthane 8185 符合美國混凝土學會地坪填縫材之準則(302.1 混凝土地坪與樓板結構施工指南)。

無污染問題

未添加稀釋劑，在正常情況下混凝土不會受到污染而變色。

無發泡問題

純聚脲聚合物，不會像其他聚氨酯或混合填縫材有發泡之問題。

顏色穩定

使用於室內地坪，可避免時間所造成之色變問題。

符合能源與環境先導設計(LEED)標準

Chemthane 8185 含零揮發性有機化合物且符合美國綠建築協會中的 LEED 綠色標準，其取得 LEED 認證項目為室內環境質量信用 4.1：低逸散性材料-黏著劑和填縫劑。

經過 USDA 認證，符合美國農業部(USDA)標準

可使用於處理肉類和家禽的區域。

Chemthane 8185 is a fast setting, two-component self-leveling polyurea joint filler. It is 100% solids and contains zero VOCs. It is formulated to protect industrial concrete floor joints from spalling when subjected to hard wheels and heavy machinery. Chemthane 8185 also has excellent chemical and abrasion resistance.

Chemthane 8185 meets the American Concrete Institute (302.1 Guide for Concrete Floor and Slab Construction) guidelines for floor joint fillers.

Non-Staining

Chemthane 8185 is formulated without extender oils. It will not stain concrete in normal conditions.

Non-Foaming

Chemthane 8185 is a pure polyurea polymer. It will not foam like other polyurethane or hybrid joint fillers.

Color Stability

Chemthane 8185 will resist discoloration over time when applied into interior floors.

LEED Compliant

Chemthane 8185 contains zero VOCs and is compliant with USGBC LEED green standards. It qualifies for IEQ Credit 4.1: Low-Emitting Materials – Adhesives and Sealants.

USDA Compliant

Chemthane 8185 is USDA compliant for areas handling meat and poultry.

項目 Item	數值 Value
硬度 Hardness	86±2Shore A
斷裂拉伸強度 Stress-strain Strength	> 11Mpa
撕裂強度 Tear Strength	> 25KN/m
伸長率 Elongation	> 400%
固成份含量 Solid	> 99%
混合比例 Mixing Ratio	1 : 1
凝膠時間 Gel Time	60-800 秒 (second)
刨除修邊時間 Shave Time	20 分 (minute)
可上踏時間 Return to Service	1-3 小時 (hour)



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