



GREENGUARD 室內空氣品質

認證的認證與兒童科技學校認證的認證

Sunland Shutters / PolyCore

Number: 9019812-02

GREENGUARD Indoor Air Quality Certified

Certification Status: Certified

Certification Period(s): 6/2009 - 6/2011

Restrictions:

GREENGUARD Children & Schools Certified

Certification Status: Certified

Certification Period(s): 6/2009 - 6/2011

Sunland 百葉窗 / 管機多芯數: 9019812-02

GREENGUARD 室內空氣品質認證的認證狀態:

認證認證週期 (s): 2009 年 6 月-6/2011 年限制:

GREENGUARD 兒童科技學校認證的認證狀態:

認證認證週期 (s): 2009 年 6 月-6/2011 年限制:

Restrictions:

Description:

At Sunland Shutters we are dedicated to providing the best shutter at an affordable price. We feel that our Polycore shutter offers competitive advantages that no other company can beat. Our Polycore Shutters are the result of seven years of research and development. These innovative aluminum reinforced shutters offer the traditional look of wood shutters with all of the advantages of synthetic materials. All of our stiles, rails and louvers are made with a co-extruded aluminum reinforcement. This gives us a very strong, rigid and durable component. The aluminum reinforced louvers, rails, and stiles make our Polycore shutter as straight as an arrow. Because of our unique aluminum reinforcement we can make panels up to 36" wide, that's the widest in the industry! This also allows us to assemble our Polycore shutters with screws for superior strength, unlike other poly shutters that are only glued together. The screws are run through the aluminum reinforcing in the

stile into the aluminum in the rail and are then capped. This produces a much stronger joint. All of our Polycore shutters use only water based coatings. These provide an extremely durable finish while keeping the environment in mind. Our finishes contain no lead additives. Our water based paint for shutter coating meets all US AQMD requirements with a VOC (Volatile Organic Chemical) rating of zero or near zero. Our Polycore top coat has a VOC rating of virtually zero at .009 lb. per gallon, which is better than all US health and environmental regulations require. Our paint also contains UV inhibitors for a long lasting fade resistant finish. The Polycore shutter is 100% recyclable and can be recycled to produce other PVC products. Polycore shutters have an inherently high R-value and are better insulating than aluminum blinds, vertical blinds and wood. The Polycore shutter also offers a Flame Spread and Smoke Developed rating of Class A and are moisture resistant and non-corrosive. We offer a choice of 4 colors, 7 frames, 8 hinge colors and the largest selection of specialties in the industry.

Sunland Shutters 在我們致力於以合理的價格提供最佳的百葉窗。我們覺得我們管機多芯百葉窗提供可以擊敗任何其他公司的競爭優勢。我們管機多芯百葉窗是七年的研究和發展的結果。這些增強的創新鋁百葉窗提供所有的合成材料的優勢與傳統外觀的木百葉窗。我們所有的斯泰爾斯、導軌和百葉有擠的鋁加固。這為我們提供了一個非常強有力的、剛性的和持久的元件。鋁百葉、滑軌，和斯泰爾斯讓我們管機多芯百葉窗，直如箭。我們獨特的鋁由於的加固，我們可以使面板達 36"寬，這是最廣泛的行業！這也使我們能夠裝配螺釘，高強度，不同于其他聚百葉窗只粘結在一起，我們管機多芯百葉窗。螺釘貫穿到鐵鋁邊框鋁加固，然後的上限。這將產生更強的聯合。我們管機多芯百葉窗的所有使用只水性塗料。這些同時牢記環境提供了極其耐用的完成。我們完成包含無鉛添加劑。我們水性塗料塗裝滿足的百葉窗的所有我們的 AQMD 要求 VOC（揮發性有機化工）評級為零或接近零。我們管機多芯面漆已幾乎在每加侖，這是比所有美國健康.009 磅的零 VOC 評級和環保法規的要求。我們的油漆還包含紫外線抑制劑長期持久的淡入淡出耐完成。管機多芯快門是可迴圈再用的 100%，並可以生產其他的 PVC 產品回收利用。管機多芯百葉窗本身高的值，更好地絕緣鋁綁定，垂直窗簾和木材。管機多芯快門還提供了 A 類的火焰傳播和煙氣開發評級和防潮和非腐蝕性。我們提供的 4 個顏色、7 幀、8 鉸鏈顏色和最多的業內的專業選擇的選擇。

Sunland Shutters

For more information:

Contact Manufacturer:

562-808-8095/562-808-8095

judy_wang@tachen.com

Manufacturer Website:

<http://www.sunlandshutters.com>

Sunland Shutters 防火測試報告



CALIFORNIA DEPARTMENT OF FORESTRY and FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL

REGISTERED FLAME RESISTANT PRODUCT

Product:

POLYCORE

Registration No.

F-59401

Product marketed By:

SUNLAND SHUTTERS
5855 OBISPO AVENUE
LONG BEACH, CA 90805

This product meets the minimum requirements of flame resistance established by the California State Fire Marshal for products identified in Section 13115, California Health and Safety Code.

The scope of the approved use of this product is provided in the current edition of the **CALIFORNIA APPROVED LIST OF FLAME RETARDANT CHEMICALS AND FABRICS, GENERAL AND LIMITED APPLICATIONS CONCERNS** published by the California State Fire Marshal.

Deputy State Fire Marshal

Expires: 6/30/2011

FR-2

WATER-BASED PAINT FOR SHUTTERS COATING

All of Sunland's Import / Domestic Polycore and Lexwood shutters use only water-base coatings. A water-based coating provides an extremely durable finish, protects the environment (zero / virtually zero V.O.C.) and safeguards your family's health (contains absolutely NO LEAD ADDITIVES).

Have peace of mind with our long lasting durable finishes that offer Sunland dealers product quality assurance.

水性塗料塗層是 Sunland Shutters 導入所有的百葉窗 / 國內管機多芯和 Lexwood 的百葉窗使用只水性塗料。水性塗料提供非常耐用的完成、保護環境 (零 / 零 V.O.C.) 和保障你的家人健康 (包含絕對無鉛添加劑)。有我們長久的持久完成，提供產品品質保證的 Sunland Shutters 經銷商高枕無憂

Sunland Shutters 是與一個被擠壓的鋁核心的世界的唯一的堅實綜合性百葉窗。在水運油漆有烘烤的 Polycore 百葉窗，並且阻燃和濕氣有抵抗性。除提供對熱的高絕緣材料價值之外，他們是容易清洗和維護。我們致力提高每個窗口的建築秀麗和功能與 Sunland 快門的。通過創新研究和質量技巧，Sunland 快門一貫地創造將增加永恆的樣式和魅力到所有家的一種高性能窗口解答。此外我們自豪地提供通過快門的零的維護設計和它的能力極大改進一個房子節能提供優越價值有 Sunland 快門的一個綠色友好的產品。每步我們的快門過程自始至終執行想着質量和優秀。並且讓提高您的與 Sunland 快門的期望。

Sunland 快門





- **雙金屬擠壓**-介入結合幾材料入一個唯一產品爲了受益於每樹脂不同的機械，化工或者物質力量。
- **多孔的 PVC** -是由創造在形狀之內的微小的氣泡的一個起泡沫的擠壓過程比一半創造的，造成密度那規則 PVC。
- **鋁加強了**-加強天窗，窗框和路軌意味更強的百葉窗!
- **阻燃**- Polycore 百葉窗是狀態被證明的阻燃百葉窗，爲每個家庭是安全的。
- **省能源高 Insulatory 的物產**-。絕緣物產框架的增量防護裝置防禦從窗口空白的不可避免的漏出
- **沒有膨脹或翹曲**-耐久的表面和堅實 PVC 意味着百葉窗不會翹曲也不會扭屈。

如果您認爲您的視窗處理只是一種顯示，it's 的時間再想一想！右側視窗處理 don't 只是美化您的家居，還可以說明您花更多時間在陽光充足的空間，不覺醒防眩光，並查看電腦顯示器或電視螢幕無眼拉緊的思考睡著覺。他們保護傢俱和織物免受有害紫外線和展示您 home's 獨特的體系結構。最後，他們可以通過增加私室舒適和說明減少不斷增加的水電費。在各種百葉窗簾我們提供令人振奮的、實用的解決方案，爲您的生活空間-無論你是一個新家或公寓、中世紀的牧場、老式房子或甚至辦公大樓。我們有形形色色的建議，你可能面對的挑戰，包括鄰近房屋幾乎關閉足以觸摸，與眾不同的形狀是一種挑戰，不穿衣服的 windows，需要經常清洗的廚房 windows，銀行的玻璃，讓酷熱的陽光

下，通過或較舊的視窗，讓太多寒冷冬季空氣。At **Blinds Of All Kinds** we offer inspiring and practical solutions for your living spaces- whether yours is a new home or condominium, a mid-century ranch, vintage house or even an office building. We have suggestions for a myriad of challenges you might face, including neighboring houses almost close enough to touch, distinctively shaped windows that are a challenge to dress, kitchen windows that require frequent cleaning, banks of glass that allow hot sun to pass through, or older windows that let in too much chilly winter air.

特製鋁心 1 :

特製鋁心 2 :



ISO 證書 :



CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

Ta Chen Stainless Pipe Co., Ltd.
No.125, Hsin-tien 2nd. Street, Jeng-Teh Hsiang,
Tainan Hsien, Taiwan, R.O.C.

has been approved by Lloyd's Register Quality Assurance
to the following Quality Management System Standards:

ISO 9001:2008

The Quality Management System is applicable to:

- (1) **Manufacture of stainless steel pipes and butt-welding pipe fittings for pressure and mechanical purposes compliance to Annex I paragraph 4.3 of the PED97/23/EC(listed on the attached schedule).**
- (2) **Design and manufacture of stainless steel ball valves.**
- (3) **Manufacture of stainless steel flat bars and square tubing.**
- (4) **Manufacture of PVC foaming shutter products.**
- (5) **Manufacture of class 150# fittings.**

This certificate is valid only in association with the certificate schedule bearing the same number on which the locations applicable to this approval are listed.

Approval
Certificate No: TWN0936925

Original Approval: 20 April 1994

Current Certificate: 23 April 2009

Certificate Expiry: 22 April 2012

Issued by: Lloyd's Register Inspection Limited Taiwan Branch
for and on behalf of Lloyd's Register Quality Assurance Limited



This document is subject to the provision on the reverse
71 Fenchurch Street, London EC3M 4BS United Kingdom. Registration number 1879370
This approval is carried out in accordance with the LRQA assessment and certification procedures and monitored by LRQA.
The use of the UKAS Accreditation Mark indicates Accreditation in respect of those activities covered by the Accreditation Certificate Number 001
Mark's Review 13



CERTIFICATE SCHEDULE

Ta Chen Stainless Pipe Co., Ltd.
No.125, Hsin-tien 2nd. Street, Jeng Teh Hsiang,
Tainan Hsien, Taiwan, R.O.C.

<u>Material Grade</u>	<u>Material No.</u>	<u>Referenced documents</u>
X5CrNi 18-10	1.4301	EN10028-7:2000
X5CrNiMo 17-12-2	1.4401	EN10028-7:2000
X2CrNi 18-9	1.4307	EN10028-7:2000
X2CrNiMo 17-12-2	1.4404	EN10028-7:2000

<u>Material Spec.</u>	<u>Material Grade</u>	<u>Referenced documents</u>
ASTM A312/A312M	TP304	EN 1503-2
ASTM A312/A312M	TP304L	EN 1503-2
ASTM A312/A312M	TP316	EN 1503-2
ASTM A312/A312M	TP316L	EN 1503-2

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Mark Revision 13