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A D M A C O O L P A I N T

ADMAFINE technology has attracted the attention of various industries

真球狀微粒子[ADMAFINE]技術, 備受各業界矚目

Obtained patents in 4 countries and 2 regions around the world

取得世界中4個國家, 2地區的專利

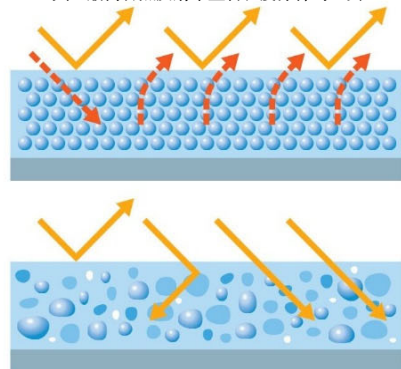
**ADMA COOL PAINT** is an acrylic silicone-based high solar reflectance paint that sunlight efficiently. Its excellent properties create a comfortable environment and contribute to preserving the global environment.

**ADMA COOL PAINT** 是一種丙烯酸矽基高反射率塗料，能夠高效地反射陽光。它的優異特性可以創造舒適的環境，同時有助於保護全球環境。

### Features 特長

There are significant different between the product characteristics of ADMA COOL PAINT and conventional solar reflective coatings. ADMA COOL PAINT 的產品特性與一般日照反射塗料有顯著的差異

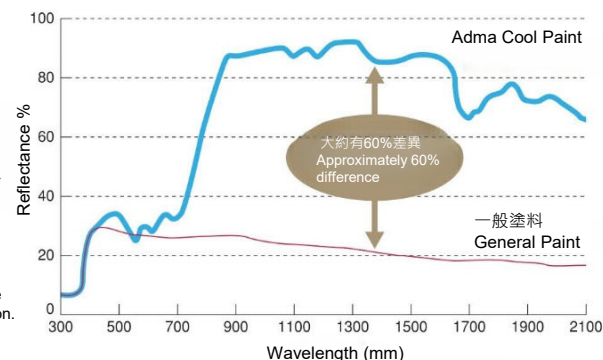
Differences in particle size distribution compared to conventional high solar reflectance coatings 與一般高日照反射率塗料粒度分佈的差異



ADMA COOL PAINT has an even particle size distribution that effectively blocks light, heat, and ultraviolet radiation, while efficiently reflecting infrared radiation. Its excellent heat dissipation properties also reduce heat accumulation. 粒度分佈平均，能有效地阻擋光、熱和紫外線，並有效地反射紅外線。出色的散熱性也使熱能積聚減輕。

Conventional high solar reflectance coatings consist of particles of varying sizes, allowing a significant portion of light and heat to penetrate through, leading to heat accumulation. 一般高日照反射塗料大小不一的顆粒狀，導致大部份的光、熱都能穿透過去，因此容易引起熱能積聚。

Comparing solar reflectance with conventional coatings 與一般塗料日照反射率比較



Demonstrates excellent heat shielding properties by using ADMAFINE 透過使用ADMAFINE表現出優異的隔熱性能

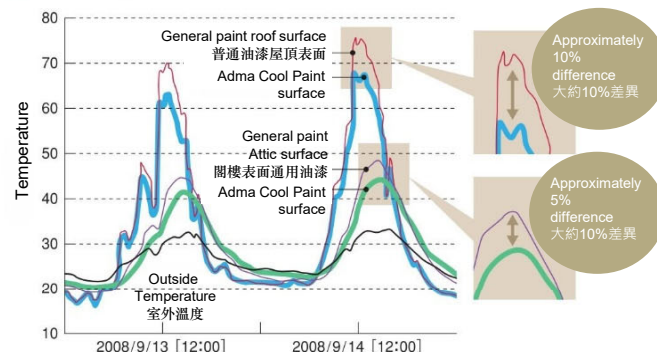
Particle size and shape are important factors in light scattering properties. ADMA COOL PAINT contains ADMAFINE, which consists of finely-sized and sharply-shaped true spherical microparticles that effectively reflect near-infrared radiation and block heat transfer. This paint can block a significant portion of light and ultraviolet radiation while efficiently reflecting near-infrared radiation, dissipating any accumulated heat and minimizing heat build up, even helping to mitigate the urban heat island effect.

粒子取決於大小和形狀，具有散射光的特性。與顆粒大小不一的一般高日照反射率塗料相比，ADMA COOL PAINT是由含有有效地反射近紅外線的大小及形狀，且粒度布極其尖銳的真球狀微粒子(ADMAFINE)所調配而成。塗料本身能隔熱以外，真球狀微粒子更能再次阻隔熱能。由於具有其特性，能阻隔大部份的光及紫外線，並且有效地反射近紅外線。此外，能有效地排放僅有的熱能，因此幾乎沒有熱能積聚的情形發生，甚至對於抑制熱島效應也能發揮作用。

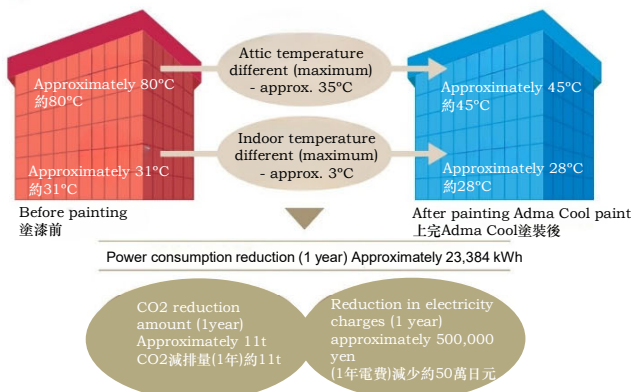
### Effect 效果

ADMA COOL PAINT'S capabilities have been proven through various experiments. ADMA COOL PAINT 的功能已透過各種實驗證明。

Comparing of heat shielding performance with general paints 與一般塗料的隔熱性能比較



Comparison of facility temperature before and after painting and energy saving effect 噴漆前後設施溫度對比節能效果



Reduces CO2 by using it on roofs and exterior walls 透過在屋頂和外牆上使用來減少二氧化碳排放

By applying ADMA COOL PAINT to the roof of factory facilities, etc., the sea level on the surface and back of the roof can be significantly reduced. This means that the necessary electricity consumption for indoor air conditioning can be reduced, there reducing carbon dioxide emissions and electricity bills.

透過將ADMA COOL PAINT塗裝於工廠設施等的屋頂，能大幅度降低屋頂表面及背面的溫度。由此可見，可降低必要的室內冷氣用電量，進而減少二氧化碳排放量及電費。

Multifunctionality: Can be combined with various specification such as corrosion resistance, sound insulation.

多功能性: 可結合防蝕, 隔音等各項規格組成

URL <http://www.env.go.jp/policy/etv/>

\*This technology and its performance are not guaranteed, certified, approved, etc. by the Ministry of the Environment, etc.

Multifunctionality 多功能性

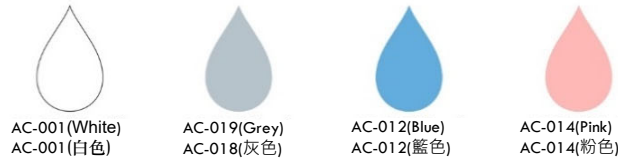
The possibility of expanding ADMA COOL PAINT to various fields  
擴展ADMA COOL PAINT至各領域的可能性

● Color

In addition to the standard colors shown on the right, colors can also be adjusted according to customer needs. Welcome to consult us based on your usage.

顏色

除了右記的標準顏色外, 也能依照客戶需求進行調色, 歡迎根據你的用途向我們諮詢。

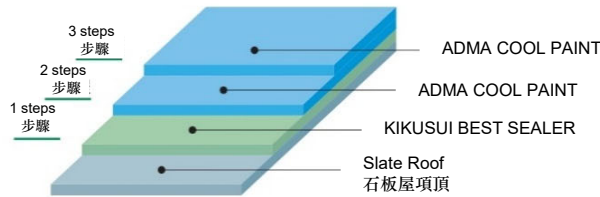


● Basic Construction Style

ADMA COOL PAINT only requires 3 steps to complete, saving application costs and shortening the construction period.

基本施工式樣

ADMA COOL PAINT 僅需3工序即可完工, 實現施工經費節約及工期縮短的目的



Other Application Cases 其它施工案列

By combining ADMACOOL PAINT with other coatings, various functionalities can be added to the paint  
通過將ADMACOOL PAINT 與其它塗料相結合, 可以為塗料添加各種功能

<p><b>Slate Roof</b> 石板屋頂</p> <p>ADMA COOL PAINT (2次塗布) NEOMOR-G 聚合物水泥砂漿 滲透性固化PRIMER NEOMOR底塗漆 Slate Roof 石板屋頂</p> <p>Slate roof renovation method 石板屋頂整修工法</p> <p>Reduce CO2, VOC 減少CO2, VOC</p> <p>Reduce air conditioning electricity consumption 減少空調用電量</p> <p>Waterproof, soundproof, long-term durability 防水, 隔音, 長期耐久性</p>	<p><b>Metal Roof</b> 金屬屋頂</p> <p>ADMA COOL PAINT (2次塗布) 弱溶劑型防銹塗料 遮熱用SABISTO 金屬屋頂</p> <p>Extended life span 壽命延長化</p> <p>Reduce CO2, VOC 減少CO2, VOC</p> <p>Reduce air conditioning electricity consumption 減少 空調用電量</p> <p>Long term durability 長期耐久性</p>	<p><b>Exterior Wall Painting</b> 外牆塗裝</p> <p>ADMA COOL PAINT (2次塗布) 斷熱性飾面塗料 SOFT RECOBALLOON 外牆塗裝</p> <p>Sound insulation, heat insulation, long-term durability 隔音, 斷熱, 長期耐久性</p> <p>Reduce CO2, VOC 減少CO2, VOC</p> <p>Reduce air conditioning electricity consumption 減少空調用電量</p> <p>Thermal insulation, long-term durability 斷熱, 長期耐久性</p>
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Workshop 工場

Truck 卡車

House 房子

Train 火車

Store 店鋪

Bus 巴士

Gas Station 加油站

Cargo Ship 貨物船

開始被廣泛地利用於各熟悉的場所  
Beginning to be widely used in familiar places

ADMA COOL PAINT is present in various places, including factory facilities, various stores, ordinary residences, and even buses, trains and containers. With its outstanding characteristics, it contributes to energy conservation and global environmental protection. 從工廠設施為首, 各種店面, 一般住宅, 甚至到公車, 電車及貨櫃般, ADMA COOL PAINT活躍於各式各樣的場面. 憑藉其卓越的特性, 為節能和地球環境保護做出了貢獻.