kikusui

水系ファインコートシリコンシリーズ

1液水系高耐候性アクリルシリコン樹脂塗料

菊水化学工業株式会社

kikusui

1-liquid water-based highly weather-resistant acrylic silicone resin paint

1液水系高耐候性アクリルシリコン樹脂塗料

水系ファインコート シリコンシリーズ

水系ファインコートシリコン
水系ファインコートシリコン弾性
水系ファインコートシリコン遮熱

Water-based Fine Coat Silicone
Water-based Fine Coat Silicone Elasticity
Water-based Fine Coat Silicone Heat Shield

BASF joint development
Contains Tinuvin
Exclusive resin adoption

BASF共同開発
Tinuvin®(チヌビン)配合
専用樹脂採用

高耐久性光安定剤
Tinuvin® 配合
BASF
We create chemistry

®= BASF SEの登録商標

BONNTILE HONG KONG LTD
邦盛建材香港有限公司

Kikusui Water-based fine coat silicone
Joint development with BASF, Germany's largest chemical manufacturer, has achieved unprecedented durability.
與德國最大的化學品製造商巴斯夫（BASF）聯合開發的產品實現了前所未有的耐用性。

Buildings are protected by paint applied to exterior walls (mortar, concrete siding, etc.). However, continuous exposure to UV rays, rainwater, wind-blown objects, etc., generates radicals in the paint film that case deterioration, accelerating the deterioration of the paint film and gradually reducing the effect of protecting the building, will continue to decline. In recent years, with the aim of extending the repainting cycle of buildings and reducing running costs, the use of paints with light stabilizers (HALS) that are effective in controlling radicals is increasing.
Kikusui Water-based Fine Coat Silicone is a high-performance product from BASF, which has a large share in applications that require high durability, such as automotive paints and siding, to ensure a comfortable living environment for everyone and maintain the beauty of buildings over the long term. Adopted durable light stabilizer "Tinuvin".

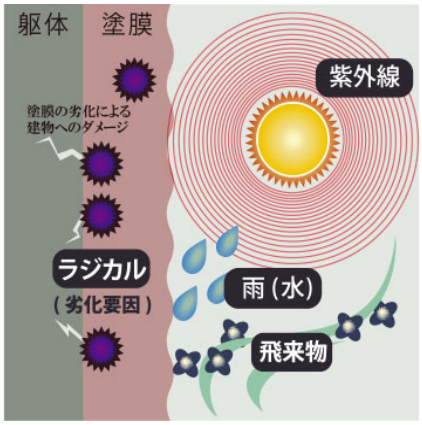
建築物的外牆（灰泥、混凝土護牆板等）由塗料保護。然而，持續暴露在紫外線、雨水、風吹物等環境中，會在漆膜中產生自由基，從而導致漆膜老化，加速漆膜老化，保護建築物的效果會逐漸降低，並持續下降。近年來，為了延長建築物的重塗週期，降低運行成本，使用能有效控制自由基的光穩定劑（HALS）的塗料越來越多。菊水水性精塗有機矽是巴斯夫的高性能產品，在汽車塗料和護牆板等對耐久性要求較高的應用領域佔有很大份額，可確保每個人都能擁有舒適的居住環境，並長期保持建築物的美觀。採用耐久性光穩定劑 "Tinuvin"。

Co-developed with BASF

Jointly developed a dedicated resin containing the highly durable light stabilizer "Tinuvin®" of BASF, one of the world's leading comprehensive chemical manufacturers. We applied technology used in automobiles, siding, and spacesuit helmets to architectural paints.

高耐久性光安定剤
Tinuvin® 配合
BASF
We create chemistry

® = registered trademark of BASF



Mechanism of deterioration factor of paint film

The building is protected by paint applied to the exterior walls (mortar, concrete, siding, etc.). However, by continuing to be affected by ultraviolet rays, rainwater, flying objects due to wind, etc., radicals that are deterioration factors are generated in the coating film, promoting the deterioration of the coating film and gradually reducing the effect of protecting the building.

建築物的外牆（灰泥、混凝土、護牆板等）是由塗料塗刷保護的。但是，由於持續受到紫外線、雨水、風引起的飛行物等的影響，塗膜中會產生作為劣化因數的自由基，促進塗膜劣化，逐漸降低保護建築物的效果。

BONNTILE HONG KONG LTD
邦盛建材香港有限公司

Expected service life 12-16 years. It is possible to extend the repainting cycle!
預計使用壽命為 12-16 年。可延長重塗週期！

Point 1

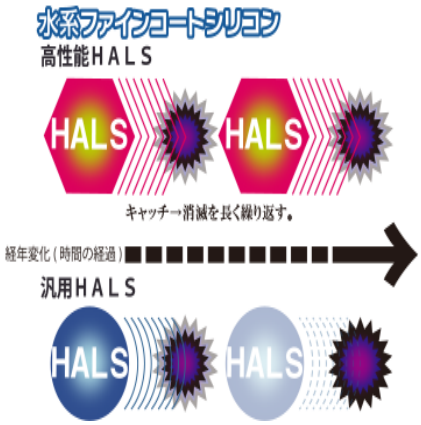
HALS (light stabilizer) absorbs and annihilates radicals (deterioration factors) formed by ultraviolet rays that could not be prevented.
HALS

（光穩定劑）可吸收和殲滅紫外線形成的自由基（劣化因數），這些自由基是無法防止的。

Point 2

The high-performance HALS used in water-based fine coated silicon has less loss over time than conventional general-purpose HALS, so it is possible to maintain the catch and disappearance of radicals for a long time.

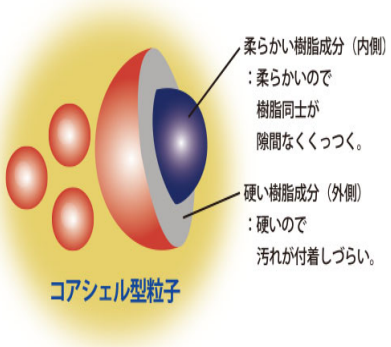
與傳統的通用型 HALS 相比，用於水性精細塗層矽的高性能 HALS 隨時間的損耗更少，因此可以長期保持自由基的捕捉和消失。



Point 3

Soft resin component and hard resin component with good resin structure.

芯殼結構有效軟樹脂組分和硬樹脂組分具有良好的樹脂結構。

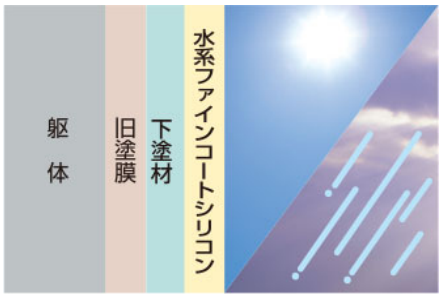


BONNTILE HONG KONG LTD
邦盛建材香港有限公司

Why choose water-based fine coat silicone?

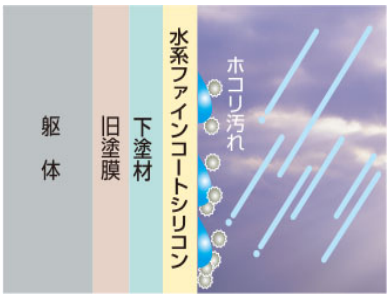
High weather resistance [1 type of weathering type] ※
The strong coating film with high weather resistance protects the building for a long time.
* Since it is applied when a multilayer coating material or a flexible shape renovation coating material is used, it does not represent the performance of the finishing material alone. In addition, since gloss retention rate is a criterion, it does not apply to 7-minute gloss, semi-gloss, and matte materials.

高耐候性 [1 種耐候性類型] ※
具有高耐候性的堅固塗膜可長期保護建築物。具有高耐候性的堅固塗膜可長期保護建築物。* 由於該標準適用於使用多層塗膜材料或柔性形狀翻新塗膜材料的情況，因此不能單獨代表塗飾材料的性能。此外，由於光澤保持率是一項標準，因此不適用於 7 分鐘光澤、半光澤和啞光材料。



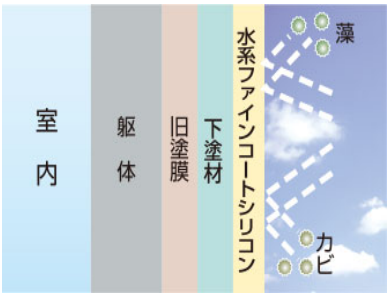
Low contamination
Because it is a hydrophilic coating film, even if dirt adheres to it, it is gradually washed away by rainwater and exhibits a high level of low contamination.

低污染
由於它是一種親水性塗膜，即使污垢附著在上面，也會被雨水逐漸沖刷掉，因此污染程度很低。



Algae and anti-mold effects
With excellent algae and mold prevention functions, it suppresses the occurrence of algae and mold that may affect the health of residents, and maintains a safe and comfortable space.

防藻防黴效果
具有出色的防藻防黴功能，可抑制可能影響居住者健康的藻類和黴菌的發生，保持安全舒適的空間。



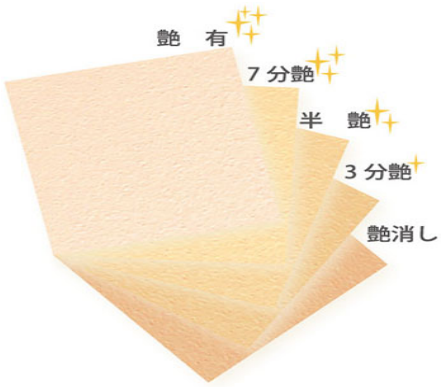
BONNTILE HONG KONG LTD
邦盛建材香港有限公司

Waterborne FINECOAT silicone elastomeric coatings can be used.Multi-layer waterproofing topcoats are available Waterborne FINECOAT Silicone Elastomeric Coatings offer increased elasticity. It can be used as a topcoat for waterproofing multilayer finishing coatings.

可使用水性 FINECOAT 矽彈性塗料可使用多層防水塗層材料面層水性 FINECOAT 矽彈性塗料具有更強的彈性。 它可用作防水多層塗飾塗料的面漆。

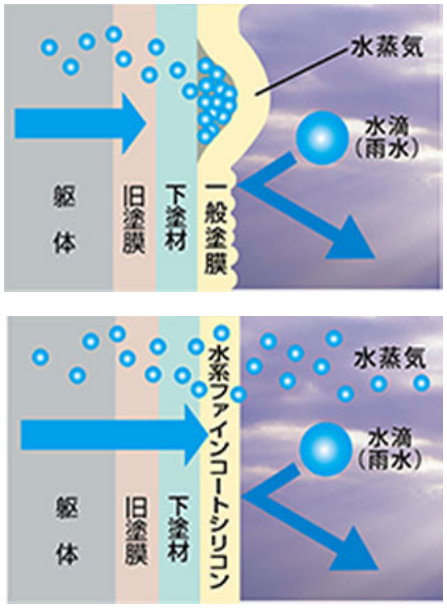
Glossy to choose from
You can choose from glossy, 7 minutes gloss, half gloss, 3 minutes gloss, and matte.

光澤度選擇您可以選擇亮光、7 分鐘亮光、半亮光、3 分鐘亮光和啞光。



Moisture permeability
It has moisture permeability.

透濕性
具有透濕性。

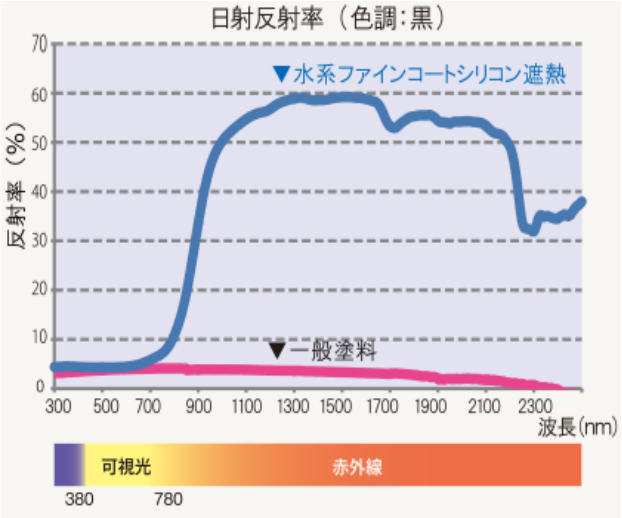


BONNTILE HONG KONG LTD
邦盛建材香港有限公司

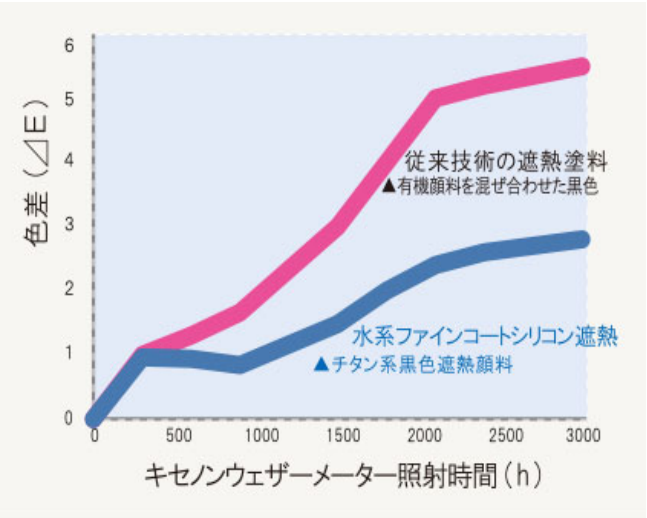
Water-based fine coat silicone heat shield
Heat shielding effect
By efficiently reflecting infrared rays, it suppresses the rise in surface temperature of the building and softens the rise in indoor temperature.
It also significantly reduces color discoloration.

水性精細塗層矽樹脂隔熱罩隔熱效果 通過有效反射紅外線，它能抑制建築物表面溫度的上升，減緩室內溫度的上升。它還能明顯減少顏色變色。

Water-based fine coat silicone heat shield reflects infrared rays
水性精細塗層矽樹脂隔熱罩可反射紅外線



Color difference (pigment comparison)
色差（顏料比較)



水系アクリルシリコン樹脂塗料

水系ファインコートシリコン

BONNTILE HONG KONG LTD
邦盛建材香港有限公司

	Multiple layer	Low elastic filler	Elastic Multiple layer	Sheen	Certificated as Fire Retardant Material
FINE CAOT SILICONE	○	○	-	Sheen/70% sheen Mid sheen 30%sheen /Matt	NM-8585 QM-9816 RM-9364
ELASTIC FINE CAOT SILICONE	○	○	○	Sheen Mid sheen	-
THERMAL INSULATION FINE COAT SILICONE	○	○	-	Sheen	-

CONSTRUCTION SPECIFICATION

■FINE COAT SILICONE

Procedure	Material / Mixing	Working Tools and Conditions	Count	Time Interval (23°C)	Practical Coverage (20% Loss Factor)
Surface preparation	Remove dirt, unhardened cement powder, oil and other adhering matter with brush, peeling spade, sand paper, cloth or other means. Thus, the surface must be completely dry.				
If repairing	Remove completely floating film, chalking layer of old painted films, dusts, dirt, oil and other deposits with high-pressure water-jet. Thus, the surface must be completely dry.				
Under coating	KIKUSUI PERMEABLE PRIMER E Main：15kg Non dilution	Brush Wool roller Airless spray	1	More than 3	80~150㎡/15kg 0.10～0.19kg/㎡
Top coating	FINE COAT SILICONE Main：16kg Water：0.8～1.6 L	Wool Roller Brush etc.	2	More than 5 within procedures	45~64㎡/16kg 0.25～0.36kg/㎡

*Above figures are all standard values. It varies depending on the construction methods and surface conditions.
*Use anti-rust primer in case of applying on metal surface. (Recommendation: SP POWER EPO)

■ELASTIC FINE COAT SILICONE

Procedure	Material / Mixing	Working Tools and Conditions	Count	Time Interval (23°C)	Practical Coverage (20% Loss Factor)
Surface preparation	Remove dirt, unhardened cement powder, oil and other adhering matter with brush, peeling spade, sand paper, cloth or other means. Thus, the surface must completely dry.				
Undercoating Middle coating	Depending on undercoat of elastic multiple layer and middle coating. Recommendation: ELASTIC TILE LUNA, RUBBER WALL and etc.				
Top coating	ELASTIC FINE COAT SILICONE Main：16kg Water：0.8～1.6 L	Wool Roller Brush etc.	2	More than 5 within procedures	45~64㎡/16kg 0.25～0.36kg/㎡

*Above figures are all standard values. It varies depending on the construction methods and surface conditions.

■THERMAL INSULATION FINE COAT SILICONE

Procedure	Material / Mixing	Working Tools and Conditions	Count	Time Interval (23°C)	Practical Coverage (20% Loss Factor)
Surface preparation	Remove dirt, unhardened cement powder, oil and other adhering matter with brush, peeling spade, sand paper, cloth or other means. Thus, the surface must be completely dry.				
If repairing	Remove completely floating film, chalking layer of old painted films, dusts, dirt, oil and other deposits with high-pressure water-jet. Thus, the surface must be completely dry.				
Under coating	KIKUSUI PERMEABLE PRIMER E Main：15kg Non dilution	Brush Wool roller Airless spray	1	More than 3	80~150㎡/15kg 0.10～0.19kg/㎡
Top coating	THERMAL INSULATION FINE COAT SILICONE Main：16kg Water：0.8～1.6 L	Wool Roller Brush etc.	2	More than 5 within procedures	45~64㎡/16kg 0.25～0.36kg/㎡

*Above figures are all standard values. It varies depending on the construction methods and surface conditions.
*It can not be overlaid on ELASTCMATERIAL

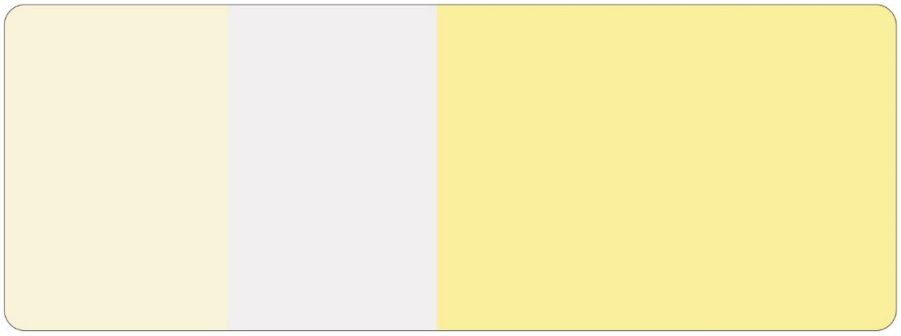
Repainting Variation
塗り替えバリエーション

Water-based fine coat silicone can be used to make the most of the existing finish as it is, or to change the pattern.

今までの仕上げをそのまま活かす場合でも、新しく模様を変える場合にも水系ファインコートシリコンは対応します。

Old paint film sprayed tile (uneven pattern)

旧塗膜：吹付タイル (凹凸模様)



カラーNo. KW173C

Color No. KW173C

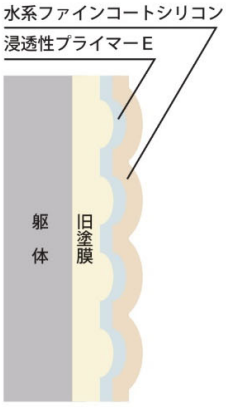
浸透性プライマーE

Penetrating Primer E

カラーNo. KN033D

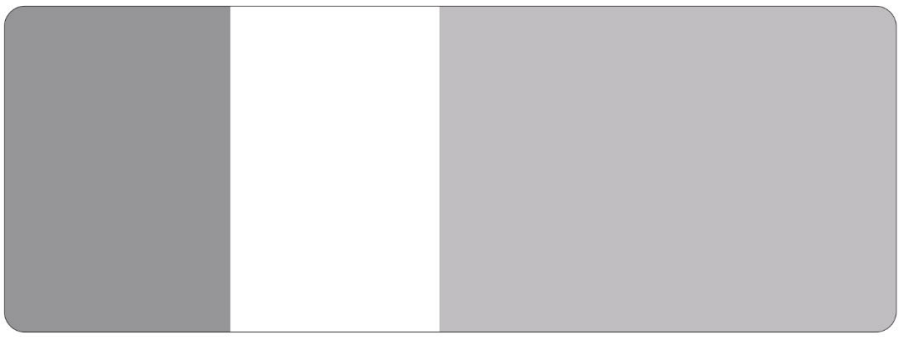
水系ファインコートシリコン

Water-based fine coat silicone



Water-based fine coat silicone penetrating primer E

旧塗膜：リシン



カラーNo. KN061E

Color No. KN061E

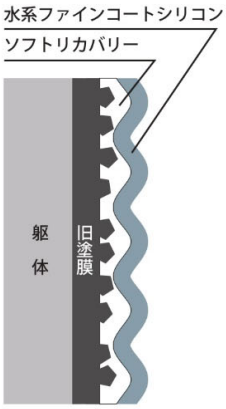
ソフトリカバリー
(多孔質ローラー塗り)

Soft recovery
(porous roller coating

カラーNo. KN061D

水系ファインコートシリコン

Water-based fine coat silicone



Water-based fine coat silicone soft recovery

You can choose your desired gloss depending on the purpose and application.

目的･用途に応じてお好みの艶具合をお選びいただけます。

*Water-based fine coat silicone elasticity is only gloosy and semi-gloss.

※水系ファインコートシリコン弾性は艶有・半艶のみ対応。

艶　有	7分艶	半　艶	3分艶	艶消し

(注) この色見本は台紙に塗付をしており、現物の仕上がりとは多少違う場合がありますので、あらかじめご了承ください。実際の色や艶は、見本板でご確認ください。

カラーNo. KN046B

(Note)Please note that this color sample is applied to the backing paper and may differ slightly from the actual finish. Please check the actual color and luster on the sample board.