

Heat shield coating
for roofs and walls

JIS K 5675
High solar reflectance coating for roofs Class 1 LG
grade

Adgreencoat® GL

Lineage Acrylic silicone resin



Coating condition

Way of coating	Brush, roller, airless spray		
Dilution ratio	0~10%		
Standard coating amount (kg / m ² / times)	0.15kg / m ² / times		
Standard film thickness	Intermediate coat	wet 100 μm	dry 50 μm
	Top coat	wet 100 μm	dry 50 μm

*Note: The above values are the standard values of the usage required for coating work.

The standard coating weight depends on individual condition.

Coating interval

Coating Interval		Temp.	23°C
Item			
Standard application interval	min.	3 hours	
	max.	7 days	

Coating properties

	Items	Contents
1	Packaging	14kg
2	Mixing ratio	1 liquid (no dilution)
3	Colour	Standard color (all 22 colors)
4	Gloss	Mat (approx. 50 % gloss)
5	Odor	A slight acrylic odor
6	Finish	Smooth
7	Specific gravity / density	1.05~1.35 (g/cm ³ /23°C)
8	Solar reflectance <Near infrared region> (780~2500nm)	86.80%
9	Thermal conductivity	0.39W/m·K
10	Solvent specific gravity	—
11	Heated residue	38~42 (%)
12	Viscosity	2,800 (mPa·s/23°C)
13	Display of deleterious substance	—
14	Displayed harmful substances on labor law	Ethylene glycol, amorphous silica, titanium oxide, ferric oxide, synthetic amorphous silica, phthalocyanine blue, chlorinated phthalocyanine green
15	Type of organic solvent used	—
16	Dangerous Goods Classification by the Fire Service Law	Not applicable
17	Classification by ingredients of curing agent	—

*Note: The above values indicate standards and there may be slight variations.

Characteristic

- ① It is a water-based paint with less VOC (volatile organic compound) ingredients and odor, and is environmentally friendly paint.
- ② Due to the functionality of special nanoceramics, it exerts high heat shielding and high albedo effect.
- ③ The coating has smoothness and a beautiful finish.
- ④ It has good elongation, enables thin films, and is excellent in workability.
- ⑤ We improved the durability by improving the resin ratio.
- ⑥ We have received various environmental demonstrations and certifications both in Japan and overseas such as JIS certification, Eco Mark certification · Carbon offset · ETV demonstration etc.

Main application materials

Steel plate, tin, corrugated slate, ALC etc.

Adopted under coat

Admicoat, AdSabinon, MultiPrimerEP, Adcool Sealer, AdPower Sealer, AdWall, AquaSabinon, AdPermate, Intercoat for Intermediate coating, DannetsuPower Roof, SoftWall, DannetsuSoftWall,

Usage notes

- 1) For special ceramic formulation, please use stirring with stirrer (low speed rotation) for 3 minutes or more before use.
- 2) Avoid construction in case of rain, snowfall, strong wind.
- 3) Avoid application when temperature is lower than 5 degrees c., and humidity is more than 85% condition.
- 4) When there is rain, condensation, etc., within 24 hours after construction, Color shading, bubbles etc. may occur due to the influence of water.
- 5) Please dry thoroughly by sunset time. Please note that when drying is not sufficient, it may cause dripping, unevenness, peeling etc.
- 6) When doing the application, please wear appropriate protective mask, protective gloves, protective glasses, protective clothing.
- 7) Please refer to SDS (Safety Data Sheet) for details of general precautions concerning the handling of other paints.

※Please note that the contents of this product manual may be changed without notice.