

Heat shield coating
for roofs and walls

JIS K 5675
High solar reflectance coating for roofs Class1 LG
grade

Adgreencoat® Ex α

Lineage Acrylic silicone resin



Coating condition

Way of coating	Brush, roller, airless spray		
Dilution ratio	No dilution		
Standard coating amount (kg / m ² / times)	0.15kg / m ² / times		
Standard film thickness	Intermediate coat	wet	100 μm
		dry	50 μm
Standard film thickness	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

Item		Temp.	23°C
		min.	max.
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 14 colors)
4	Gloss	Matt (30~40 % gloss)
5	Odor	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)	85.70%
9	Thermal conductivity	0.39W/m·K
10	Solvent specific gravity	—
11	Heated residue	45 - 56 (%)
12	Viscosity	5500 ±2000 (mPa·s/23°C)
13	Display of deleterious substance	—
14	Displayed harmful substances on labor law	Ethylene glycol, ethanol, ethylene glycol mono-n-butyl ether, amorphous silica, hydrous amorphous silicon dioxide, ferric oxide, iron hydroxide, titanium dioxide, stannic oxide, isopropyl alcohol, Pigment blue 15
15	Type of organic solvent used	—
16	Dangerous Goods Classification by the Fire Service Law	N/A
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.
- ② Due to the functionality of special nanoceramics, it exerts high heat shielding 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 Eco Mark certification · Carbon offset · ETV demonstration etc.

Main application materials

Steel plate, tin, corrugated slate, ALC etc.

Adopted under coat

JIS Spec. AdSabinon, AdPower Sealer
Non-JIS spec. Adnilcoat, MultiPrimerEP, AdCool Sealer, Softwall, Dannetsu Softwall, AdWall, AquaSabinon, AdPermate, Dannetsu PowerRoof, (Intercoat for Intermediate coating)

*Please ask for JIS specification when needed.

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 moisture.
- 5) Please dry thoroughly by sunset time. Please note that when drying is not sufficient, it may cause dripping, unevenness.
- 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 matters.

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