

Adgreencoat[®]

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Construction & Application Manual



Step 1

Clean up the surface



Step 2

Basecoat (keep the film thickness around 50µm, only 1 layer, touch-drying time around 2 hours)



Step 3

First Topcoat (Adgreencoat: keep the film thickness around 50µm, 1 layer, touch-drying time around 2 hours)



Step 4

Final Topcoat (Adgreencoat: keep the film thickness around 50µm, 1 layer, touch-drying time around 2 hours)

Paint coverage per KG:

11,5 m² per 1 KG.

It is necessary to calculate paint loss:

Roller: 15%

Brush and spray painting: 20%

Preparation will vary according to the base material. Also, the method of preparing is not the same for the new construction and refurbish.

Concrete and ALC (including lysine, stucco etc.)

Clean up the surface. Apply sealer to prevent the material from absorbing the paint. When mend or water proof is required, it has to be done before painting. Also the waterproof treatment is important for joint area with wood and metal, and on the concrete connection.

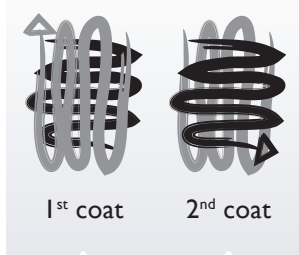
Aluminum Siding

When the construction is new, execute surface texturing with metal brush. In case of renewal, remove the old coat with high pressure washing, then execute surface texturing with metal brush. Especially, fat, slats and rust have to be completely removed. Apply primer. Apply Adgreencoat with 2 layers of 40 µm after drying.

Wood

When coniferous tree such as pine wood is used for new construction, it has a high content of resin (pine tar in case of pine wood). It is necessary to treat those surfaces with wood sealer. For cedar or the like wood, smooth the finishing of the surface. For cedar or the like wood, smooth the finishing of the surface, then apply sealer or diluted Adgreencoat (15% ~ 20%). Paint Adgreencoat with 2 layers of 40 µm after drying.

Cross painting



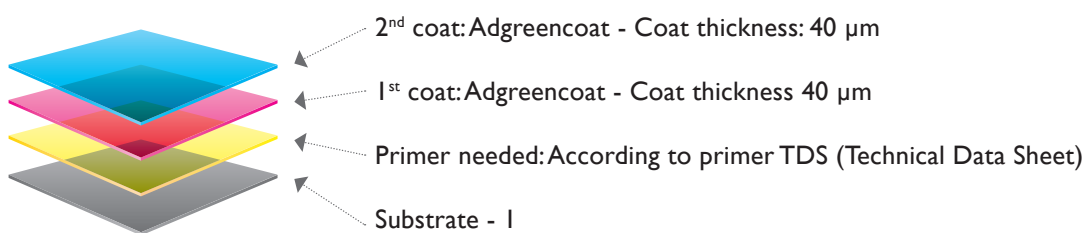
Stir around 5min - 7min with screw system stirrer. (*by LOW SPEED)

Points for painting by spray gun

Nozzle size: 0,35 - 0,60 mm

Keep 100mm ~ 150mm of distance between the surface and the spray gun.

Minimum pressure at nozzle: 200 bar



Adgreencoat 1st coat

Paint Adgreencoat when the primer has dried. The necessary thickness is around 40 µm. The density can vary according to the temperature etc.

Adgreencoat 2nd coat

Paint White/Colored Adgreencoat when the 2nd coat has dried. The necessary thickness is around 40 µm. The necessary Adgreencoat thickness is more than 150 µm including primer.

Full curing time	See technical datasheet.
Dry-to-touch time	See technical datasheet.
Paintable temperature	More than 5°C Not possible to paint under low temperature environment.
Painting under high-temperature environment	Pay attention to the drying of the base material. When the paint is dried-up or solidified, add water and stir well at each time (max 5%).
Required coat thickness	75 - 100 µm excluding primer.
Paint coverage per KG	11,5 m ² *May vary according to the paint tool.
Dilution water	Clean water.

This information may vary according to the environmental condition.

Cautions for handling

1. If swallowed rinse the mouth, if it reached the eye or skin, wash properly with water and seek medical attention.
2. Wash the hands properly after each use. Avoid the emissions into the environment.
3. Please follow the MSDS instructions for the handling.

Caution for conservation

1. Seal properly. Keep the container in cool and dark place. (5°C - 40°C)
2. Do not freeze

Caution for painting

1. Do not paint when the temperature is less than 5°C or more than 40°C.
2. Do not paint when humidity is higher than 80%.
3. Do not paint when rainfall is expected within 6 hours from the application.
4. Prepare the surface before painting.
5. Paint carefully the screw area before painting the whole surface.
6. Painting on a windy day is not recommended.

Caution at the moment of painting

1. Use in the area where is properly ventilated.
2. Do not step on the undried coat with shoes on.
3. Wear protective clothing (mask, gloves, work shoes etc).
4. When you paint with a roller, paint the projection portion with brush first, then paint with roller the whole surface.
5. If the temperature is less than 10°C, wait 24 hours before applying the finishing coat.
6. To obtain a thicker coat with roller painting, roll over slowly and do not rub.
7. Do not discard into the river or ditch the remaining paint and the water used for washing the instrument.
8. As this paint has high reflectance, it can be dazzling or can harm eyes. In such case, wear ultraviolet protection sunglasses.
9. It is also recommended to execute a test painting on a small surface to check the compatibility between paint and the base material.



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