



DROPGUARD

Heat reduction elastomeric coating

DROPGUARD

No. TD : H-002
Revision : 02
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PRODUCT DESCRIPTION

DROPGUARD is heat reducing elastomeric coating composed of acrylic emulsion polymers. It is used as a heat insulating and waterproof coating on building roof and exterior wall because the high solar reflectance of the membrane serves as a heat reflective surface and reduces temperature up to 20°C ingress keeping the interior of the building cooler. It helps in reducing power consumption substantially by reducing the load on airconditioners and keeps the interiors cool with additional function of waterproofing.

FIELDS OF APPLICATION

Metal roof, primed metal surfaces, zinc, galvanized
Concrete, asbestos, fiber cement, roof tile
Side wall and exterior wall

ADVANTAGES

1. Reduce surface temperature up to 20°C
2. Reduce room temperature up to 10°C
3. Water based and environmentally friendly
4. Elastic and Waterproof
5. Good corrosion resistant
6. Good adhesion
7. Covering hairline cracks

TECHNICAL DATA

Type	:	Acrylic polymer dispersion
Color	:	As shown in colour card
Finish look	:	Dof
Total solar reflectance	:	
> White	:	> 80 %
• Cream	:	> 70 %
• Grey	:	> 45 %
Solid by volume	:	55 - 60%
Density	:	0.85 – 0.95 gr/cc
Drying time	:	
> Surface dry	:	60 minutes (30°C)
• Hard dry	:	2 - 4 hours (30°C)
Packaging	:	1 lt, 4 lt, 20 lt
Thinner/ clean up	:	Clean water
Thinning ratio by weight	:	First coat for priming : 10 % Subsequent coats : ready to use



FUTANLUX PAINT INDONESIA

TECHNICAL SERVICE DATA SHEETS

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Recommended Material consumption	:	0.5 - 1 lt/m ²
Recommended DFT	:	300 - 600 microns
Recommended coating layer	:	Minimum 3 coats
Re-coating interval	:	Minimum 2 hours (30°C) or when the first coat already dry
Application method	:	Brush, roll, airless spray
Storage Stability	:	Storage in cool and dry condition in original unopened packaging. Protect from dampness and direct sunlight

TEST PERFORMANCE DATA

Adhesion to substrate	:	> 1.5 N/mm ²	ASTM D-4541
Tensile strength	:	> 1 N/mm ²	ASTM D-412
Elongation	:	> 250 %	ASTM D-412

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