

KANSAI DIAMONDSHIELD 12 IN 1

Code: 690-xxx

DECORATIVE

TOP COAT FOR EXTERIOR WALL

DESCRIPTION

A premium, multi-functional exterior coating based on a special acrylic formulation, engineered for maximum, long-term protection against severe tropical weather conditions.

USE

For protecting and decorating the exterior surface (such as asbestos, cement, masonry, plaster, brickwork, hard and soft boards) of high-value structures, including residential, commercial, and high-rise buildings where maximum durability and long-term maintenance are required.

FEATURES AND BENEFITS

1. Cooltech - reduce up to 5°C temperature
2. DirtGuard - keep your house clean and look new for longer time
3. 12-Year Guarantee
4. Singapore Green Label certified
5. Excellent weather resistance
6. Excellent fade resistance
7. Superior hiding power
8. Easy to clean
9. Quick dry
10. Moss and fungus protection
11. No added lead and mercury
12. Low sheen finish

COLOR AND GLOSS LEVEL APPEARANCE

- Available in wide range of colors (see the color card and fandeck)
- Gloss level: Sheen

BASIC DATA

Data for mix product	
Number of components	One
Application Method	Brush or Roller and spray
Specific Gravity (ASTM D1475)	1,30 g/ml (depend on colors)
Volume Solids (ISO 3233)	37.4%
Flash Point (ASTM D3278)	-
VOC (ISO 11890-2)	< 5 g/Liter
Mixing Ratio	-
Dilution	Clean Water
Dilution Ratio	10 % – 15%
Recommended DFT	25 - 30 micron/coat
Theoretical coverage	12 - 14 m ² /Liter at DFT 25 - 30 micron, (depend on color)
Pot Life	-
Flash Point	-
Overcoating Interval	At temperature 30°C Minimum : 2 hours Maximum : 7 days
Packaging	2.5 Liter & 20 Liter in plastic container

SURFACE PREPARATION

- All surface must be clean and dry
- Remove the damage or to thick old coat by scrapper / wire brush
- If necessary, use special cleaning agent to remove fungus

APPLICATION

Equipment Use	Volume of thinner	Recommended thinner	Nozzle orifice	Nozzle pressure
Air spray	20 - 30%	Clean Water	1,5 - 2,0 mm	3 - 4 bar
Airless spray	0 - 10%	Clean Water	0,46 mm	150 bar
Roller	10%	Clean Water	-	-
Brush	10%	Clean Water	-	-

Painting Process		Interval	Recommended Primer	
	DFT		New Wall	Re-Painting
Primer	15-20 µm/coat	0.5-1 hour	KANSAI PLASTER PRIMER	KANSAI PLASTER PRIMER
Coat 1	25-30 µm/coat	2 hours		
Coat 2	25-30 µm/coat	2 hours		

Curing time DFT to 25 - 30 micron			
Substrate temperature	Dry to touch	Dry to handle	Full cure
5°C (41°F)	-	-	-
20°C (50°F)	-	-	-
30°C (68°F)	1 hours	4 hours	7 days

SAFETY PRECAUTIONS

For paint and recommended water see safety sheet and relevant material safety data sheets. This is a water borne paint and care should be taken to avoid inhalation of spray mist or vapour as well as contact between the wet paint and exposed skin or eyes

DISCLAIMER

Spreading rate, drying time, and other numerical parameters are based on controlled environment test and evaluation. It may vary on actual usage due to differences on surface type and porosity, surrounding humidity and temperature, painters' skill and equipment, and other external factors. User should always consult with Kansai Paint for specific guidelines on particular paint jobs for the best result. All information can be adjusted accordingly without further notice.