# roVa™ Shield

## Aerogel Top Coating

roVa™ Shield Aerogel Top Coating has excellent weather resistance and pollution resistance, and it can be colored in a variety of colors, making it a great finishing layer for both interior and exterior uses.

### Techincal Features

| | |
|---|---|
| **Type** | Acrylic |
| **Color** | White |
| **Size** | 1L |
| **Density** | 0.90g/cm$^3$ |
| **Viscosity** | 5,500 ~ 6,500cPs |
| **Application Method** | brush, roller, air sprayer |
| **Theoretical Coverage** | 7.2 ~ 7.6m$^2$/L (80μm) |
| **Dtry to Touch Time** | 20minutes (25°C/50%, roller, 80μm) |
| **Cure Time** | 24hr (25°C, roller, 80μm) |
| **Weather Resistance** | Superior |
| **Adhesiveness** | Superior |
| **Flexibility** | Superior |
| **Application Temp.** | 10 ~ 40°C |
| **Operation Temp.** | -50 ~ 120°C |

### Usage and Application

- Protect roVa Shield from direct sunlight / rain / snow / other contamination
- Protect roVa Shield from indoor contemination
- Add color or finishing touch on to roVa Shield

### Environmentally Friendly

- Does NOT contain dangerous chemicals, VOC(below 2g/L), or bad odor
- Minimize carbon emission by promoting energy efficient buildings

roVa

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# Aerogel Top Coating User Manual

## Product Preparation

- **Do not add water or other additives.**
- Store at room temperature(10 ~ 30°C), and avoid direct contact of sunlight or fire.
- Keep the product sealed before and after use.
- Mix the product for 3~5 minutes to evenly disperse ingredients.
- Avoid direct contact to your eye or skin. If contacted, seek for medical advice if you're concerned.
- Read GHS-MSDS for your own safety.

## Product Application

- Avoid applying in a humid(humidity over 85%) or cold(10°C or lower) hot(40°C or higher) environment, for the coating might not show it's best performance.
- Ventilate the area when applying and drying the product.
- Wear safety equipment at all times.
- Keep the application surface clean.
- If the surface material is cement or concrete, it is best to slightly wet the surface before applying the coating. If the surface material is stainless steel or plastic, it's best to apply primer before applying the coating.
- Avoid direct contact of water before the coated surface is fully dried.
- Use light pressure to achieve delicate texture. Applying too much pressure may result in the painted layer to be too thin.
- If necessary, additional coats can be applied above the recommended coating thickness, since insulation performance increases as the coating thickness increases.

## Post Product Application

- Clean equipment with water after the product application.
- Store used product at room temperature.
- Contact your local authority for information on waste disposal.

## Application Method

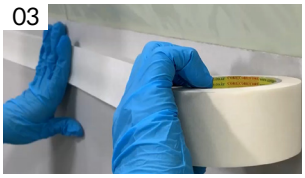
01 Prepare the product, application equipment & safety equipment.
02 Organize the environment. Clean the applying surface.

01

02

03 Apply masking tape, primer if necessary.
04 Mix the product slightly before the application.

03

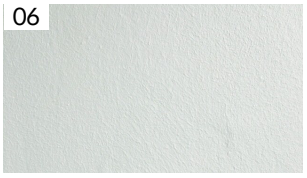


04

05 Use brush, roller or air sprayer to apply the coating.
06 Apply 2nd coat or top coat after curing for 20min at room temp.

05

06



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