

# AERODYN 100/400™

## Features:

- Thermal Insulation
- Reduces Heating or Cooling/HVAC load
- Solar Reflection
- Aniti-Corrosion effect
- Condensation prevention



# INSULATING PAINT



**Personal Protection**  
Suitable to achieve factory safe temperatures over any hot surfaces



**Easy Application**  
Easily applied and cured to required thickness



**Equipments/Process Lines**  
Top coat on insulation over equipments/pipe lines to achieve up to 30°C temp drop



**Offices /Factories Facade**  
Exterior coating to achieve cooler indoor temperature and reduce cooling load

## Product Overview

**AERODYN100/400** is a high-performance aerogel-based insulating paint designed to provide thermal insulation, personnel protection, condensation prevention, and energy savings through thin film application. The product is engineered for industrial hot surfaces, process equipment and building facades.

## Applications

- Industrial Equipment and Process Lines (Personnel Protection Coating)
- Steam Lines, Valves, Tanks, Reactors
- Exterior Roofs and Facades Warehouses and Factory Buildings
- HVAC Ducting and Metal Structures

## Performance Highlight

Provides up to 30°C surface temperature reduction at elevated substrate temperatures (tested at recommended Dry Film Thickness 300 um under controlled conditions).

## Technical Specifications

### AERODYN 100™

|                          |                                       |
|--------------------------|---------------------------------------|
| Operating Temperature:   | -30°C to 120°C                        |
| Application Temperature: | -10°C to 50°C                         |
| Application Method:      | Brush / Roller / Airless Spray        |
| Wet Film Thickness:      | 80 -100 microns per coat              |
| Recommended Coats:       | 2 - 3 coats.                          |
| Dry Film Thickness:      | 165–210 microns                       |
| Coverage:                | ~ 3.5 – 5 m <sup>2</sup> /L (3 coats) |
| Volume Solids:           | 69%                                   |
| Dry to Touch:            | ~ 4 hours @ 25°C                      |
| Full Cure:               | 24 hours                              |

### AERODYN 400™

|                          |                                       |
|--------------------------|---------------------------------------|
| Operating Temperature:   | -30°C to 400°C                        |
| Application Temperature: | -10°C to 50°C                         |
| Application Method:      | Brush / Roller / Airless Spray        |
| Wet Film Thickness:      | 80 -100 microns per coat              |
| Recommended Coats:       | 3 - 4 coats.                          |
| Dry Film Thickness:      | 165–275 microns                       |
| Coverage:                | ~ 2.5 – 4 m <sup>2</sup> /L (3 coats) |
| Volume Solids:           | 69%                                   |
| Dry to Touch:            | ~ 4 hours @ 25°C                      |
| Full Cure:               | 24 hours                              |

## Additional Information

- Surface Preparation: SSPC-SP2 / SP3 / SA2.5
- Packaging: 5 L and 20 L packs
- Low VOC formulation
- Storage Life: 6 months in sealed condition
- Designed for industrial and commercial application

All specifications are as per findings of tests conducted at reputed laboratories. The manufacturer does not claim performance guarantee for any application. Find out more about our products on our website.

[Lchpaerogels.com](http://Lchpaerogels.com)

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