

## LAG COAT 30-6

Protective Coating for Thermal Insulation

### DESCRIPTION

LAG COAT 30-6 is a water-based protective coating for internal thermal insulation applications. It provides a highly durable, tough, abrasion resistance coating. It has excellent adhesion to various insulation materials, such as canvas and fibreglass.

### Primary Uses

LAG COAT 30-6 is used for bonding and coating a wide variety of thermal insulating materials on air conditioning ducts, cold water pipes and vessels. It also accepts foam insulation materials like polystyrene and polyurethane effectively.

### Applications

- Canvas
- Expanded polystyrene
- Polyurethane foam
- Plastic foam
- Glass cloth
- Glass wool and Rock wool

### Advantages

- High strength
- Tough and durable
- Excellent adhesion to most thermal insulating materials
- Resistant against water, cracks, abrasion and fire
- Non-toxic
- Non-flammable
- Economical to use
- Washable
- Does not discolour with age

LAG COAT 30-6 meets the requirement for LEED IEQ 4.2 Low Emitting Materials, Paints and Coatings.

LAG COAT 30-6 meets the Green Seal's Building specifications for Paints and Coatings.

LAG COAT 30-6 is UL Classified and is produced under the Follow-Up Service Procedures of Underwriter Laboratories, Inc. (USA).

### PROPERTIES

**Colour**  
White

**Consistency**  
Moderately viscous liquid

**Specific Gravity** (ASTM D 1475)  
1.40 (approx)

**Solid Content**  
64% (approx)

**Coverage** (smooth non-porous substrates)  
1.1-1.9 m<sup>2</sup>/l per coat (approx.)

**Drying Time** (ASTM D 1640)  
Touch: 2 hrs  
Thru: 6 hrs (depending on climate conditions)

**Service Temp**  
-18°C to +85°C

**Wet Flammability** (ASTM D3278)  
No flash to boiling (100°C)

**Strength**  
Meets requirement of  
MIL-A-3316-C/D, Class 1: Grade A

**Water Vapour Permeance** (ASTM F 1249)  
0.87 metric perms at 0.8mm DFT

**Wet film Thickness** (WFT)  
0.60-1.00mm per coat  
**Dry Film Thickness** (DFT)  
0.24-0.40mm per coat

**Surface Burning Characteristics**  
ASTM E 84: Class A  
BS 476: Part 6 Pass, Part 7 Class 1  
UK Building Regulation: Class O

**VOC Content** (LEED)  
2g/l (as supplied)

**Limitations**  
Store and apply between +4°C to +40°C.

## DIRECTIONS OF USE

### Surface Preparation

All surfaces should be clean, dry and free from dust, grease and other foreign matters.

### Application

1. Apply an even tack coat of product onto lagging material at 1.1-1.3 m<sup>2</sup>/l.
2. Imbed lagging material while coating is wet.
3. Smooth wrinkles and overlap seams by at least 5 cm to ensure ends provide a definite seal.
4. Apply a second top finish at 1.1-1.3 m<sup>2</sup>/l over jacket to protect covering.

Lagging material can also be dipped directly where saturation and shrinkage are required.

### Caution

- Do not dilute.
- Do not apply in excessive temperatures.
- Do not permit installation below freezing within 24 hours of application.

For professional use only.

KEEP OUT OF REACH OF CHILDREN

### Cleaning

Application tools should be cleaned with fresh water while coating is wet. Dry coating may be removed with hot water or strong chlorinated solvents.

### Surface Burning Characteristics (ASTM E 84)

Surface:	6.4mm (1/4 inch) Inorganic Reinforced Cement Board
Flame Spread*:	10
Smoke Developed:	45
Number of Coats:	1
Rate per Coat:	40 ft <sup>2</sup> per gallon 44YG

Meets NFPA 90A and 90B 25/50 requirements.

### Storage

Store in dry, cool place out of direct sunlight. Protect from freezing until dry.

### Shelf-life

2 years from date of manufacture in original unopened packing.

### Packing

1 US Gallon  
5 US Gallon

### Application Tools

Coating can be applied by brush, roller or spray gun.

### Health and Safety

Please refer to the product safety data sheet or contact the manufacturer.

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All information and/or specification given herein are true and reliable, but it is given only for the guidance of our customers. We guarantee the quality of the product but cannot guarantee the result as the product is used in conditions beyond our control. Users are advised to confirm the suitability of the product by their own tests. Our warranty is limited to the replacement of defective NAPCO products.