



GROWGUARD INSULATION BARRIER COATING (For Fabrics/Canvas/HVAC duct/Foil Jackets)

Growguard thermal/sound insulation coating is water based, ultra-white, water resistance coating for application on fabrics, glass fiber cloths, canvas and insulation jacket including Al foil insulation. The product is based on WB acrylic co-polymer emulsion along with special additive & pigment which provides excellent durability, Washability, color retention along with very good thermal and acoustic insulation property.

The product can be used as barrier coating for mechanically cooled as well as hot insulation system.

PRODUCT ATTRIBUTES:

- Water Based.
- Nontoxic, APEO free, Low VOC & free CMR & PCB materials.
- Excellent Washability.
- Can be applied by HVLP spray gun or brush.
- Very low water vapor Permeability.
- Excellent antimicrobial property.
- Excellent UV stability.
- Very good color retention.
- Retains whiteness over a longer period

TECHNICAL DATA:

• Composition	Based on acrylic co-polymer latex
• VOC	Below 100 gm/lit.
• Specific Gravity	1.26 ± 0.02
• Color	Ultra-White
• Viscosity	130 ± 5 KU/30°C
• Fineness of Grind	4 -5 HG
• Recommended DFT	180-200 Micron
• Coverage	Approx. 25 Sq. Ft/lit at 180 -200-micron DFT (proportional to 450-micron WFT) on a non-absorbent surface.
• Service Temperature	-10°C to + 80°C (After complete film formation).
• Drying Time	Touch Dry :1-2 hr. Hard Dry: Overnight.
• Method of Application	Brush/ HVLP Spray Gun

SURFACE PREPARATION:

Before applying Growguard WB thermal Insulation coating ensure that, surface is clean, free from dirt and any liquids. Also, it should be securely applied as per product specification.

PAINT APPLICATION PROCEDURE:

This coating should be applied by brush or HVLP spray. In case of brush application apply 2-3 coats of undiluted form to achieve the recommended thickness.

PRECAUTIONS & SAFETY MEASURES :

- Stir well & strain before use.
- Prior to use, read and follow product specification & label information.
- Use PPE's like rubber or polythene gloves, safety goggle / glasses and face mask, during surface preparation and painting to prevent inhalation of dust and vapors
- Keep out of reach of children. Avoid contact with food materials.
- The material may be harmful, if swallowed.
Seek immediate medical attention in case of ingestion.
- Wear eye protection device. In case of contact with eyes rinse with plenty of water and seek medical attention.
- In case of skin contact, wash thoroughly with soap and water. seek medical help if irritation persists due to allergic reaction.
- Do not inhale sanding dust. Use appropriate mask during application.
- The material is non-toxic in nature since it does not contain any added Lead, Mercury, Arsenic, Antimony and Chromium compounds.
- Seek medical attention in case of ingestion.
- Wear eye protection device. In case of contact with eyes rinse with plenty of water and seek medical attention.
- In case of skin contact, wash thoroughly with soap and water. seek medical help if irritation persists due to allergic reaction.
- Do not inhale sanding dust. Use appropriate mask during application.
- The material is non-toxic in nature since it does not contain any added Lead, Mercury, Arsenic, Antimony and Chromium compounds.
- Do not pour leftover paint down the drain or in water courses.
- Consumers should consult a local recycling agency for proper disposal of left over paint/drums.

STORAGE & PACKING:

- **Storage:** A minimum shelf life of 12 months when stored in a cool, dry and covered place
- **Pack Size - 20 liter's**



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