

**Technical Data Sheet**

**Secondary Insulation**

# **EpoxyLite<sup>®</sup> INSUL-Spray<sup>™</sup> 7001**

**Air-drying Insulating Enamels**

## EpoxyLite<sup>®</sup> INSUL-Spray<sup>™</sup> 7001

### Product Description

EpoxyLite<sup>®</sup> INSUL-Spray<sup>™</sup> 7001 is a line of solvent-borne, air-drying, modified epoxy enamels.

Supplied in 12.5-ounce aerosol cans:

- EpoxyLite<sup>®</sup> INSUL-Spray<sup>™</sup> 7001-01 Clear
- EpoxyLite<sup>®</sup> INSUL-Spray<sup>™</sup> 7001-15 White
- EpoxyLite<sup>®</sup> INSUL-Spray<sup>™</sup> 7001-35 Black
- EpoxyLite<sup>®</sup> INSUL-Spray<sup>™</sup> 7001-38 Gray
- EpoxyLite<sup>®</sup> INSUL-Spray<sup>™</sup> 7001-35 Green
- EpoxyLite<sup>®</sup> INSUL-Spray<sup>™</sup> 7001-65 Red

### Areas of Application

Exterior coating for electrical windings requiring additional protection from moisture and corrosive environments

### Application Method

- Spray

### Features and Benefits

- High dielectric strength
- Glossy finish
- Tough, flexible film
- Excellent adhesion
- Resistant to moisture, acids, alkalis and chemicals
- Suitable for Class 155 service

### Transportation / Storage

Store below 25°C / 77°F in a dry controlled environment out of direct sunlight. This material should be suitable for use stored under these conditions in the original sealed containers for twelve (12) months from the date of shipment.

Failure to store the product as recommended above may lead to deterioration in product performance.

Mix product thoroughly before use

### Health / Safety

Refer to the Material Safety Data Sheet.

### Application / Cure Schedule

Surface must be clean and free of rust and contaminants

Shake can vigorously for at least one minute after agitator begins to rattle. Hold can about 14 inches from surface, keeping can in motion while spraying. Best results will be obtained between 21 and 27°C / 70 and 80°F

Air dry for 8 - 24 hours at 25°C / 77°F. Allow 5 - 7 days to develop full properties.

Alternatively, air dry for one hour at 25°C / 77°F followed by force cure of 20 minutes at 90°C / 194°F.

Impregnated windings must allow a minimum of three days at room temperature for complete evaporation of solvent and penetration of oxygen to achieve properties.

The cure schedules above are based on time after the unit reaches the specified temperature and are recommendations only. The user is responsible for determining the optimum cure conditions for his application.

## EpoxyLite® INSUL-Spray™ 7001

**Typical Mechanical Properties – specimens air-dried 24 hours at 25°C / 77°F**

Property	Test Method	Conditions	Value	Units
Recommended Dry Film Thickness			1.0 – 1.5	mils
Gloss	ASTM D523	60°	70 minimum	

**Typical Electrical Properties – specimens air-dried 24 hours at 25°C / 77°F**

Property	Test Method	Conditions	Value	Units
Dielectric Strength	ASTM D149	25°C / 77°F	> 1000	volts/mil
Dielectric Strength	ASTM D149	25°C / 77°F after 24 hours in water	> 1000	volts/mil

The above properties are typical values and are not intended for specification use.

ELANTAS PDG, Inc. warrants the chemical composition of its products within stated tolerances, but does not guarantee that a product will be appropriate for any particular application. Any recommendation, performance of tests or suggestion is offered merely as a guide and is not a substitute for a thorough evaluation by the user. No representative of ELANTAS PDG, Inc. has the authority to offer a warranty that a product will perform satisfactorily in manufacturing a product and no such representation should be relied upon.