



## LACKTHERM® 1317/120 H

Code: 10001724

### PRODUCT DESCRIPTION

Two-component impregnation resin based on unsaturated polyester-imide, thermal class H, 100% solids, oven-cured.

### RECOMMENDED USE

Low voltage motors, all power ratings.

### PROPERTIES

High compacting capacity.  
Excellent dielectric properties.  
Excellent chemical resistance.  
Moisture resistance.

### APPLICATION SYSTEMS

Trickling  
Immersion  
VPI (Vacuum Pressure Impregnation)

### CERTIFICATIONS AND APPROVALS

UL certified product.  
Product in compliance with RoHS directive.

### PACKAGING

Drum 441 lb

### CHARACTERISTICS

|                            |                                                                                                                                                                                |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Color</b>               | AMBER                                                                                                                                                                          |
| <b>Viscosity</b>           | 115 - 130" CF4 (ASTM D1200/94)                                                                                                                                                 |
| <b>Specific Gravity</b>    | 1.07 +/- 0.02 g/cm <sup>3</sup> (ASTM D1475/98)                                                                                                                                |
| <b>Thermal Class</b>       | 356 °F (DIN 46452/77)                                                                                                                                                          |
| <b>Dielectric Strength</b> | 60 - 90 kV/mm (IEC 60464-2)                                                                                                                                                    |
| <b>VOC content</b>         | 0.05 lb/gal                                                                                                                                                                    |
| <b>Note</b>                | Component A may exhibit increased viscosity due to the presence of styrene. In such cases, adjust the viscosity with Lacktherm 1105 Diluent, up to a maximum of 15% by volume. |
| <b>Shelf Life</b>          | 9 months                                                                                                                                                                       |

### APPLICATION DATA

|                           |                        |
|---------------------------|------------------------|
| <b>Catalysis</b>          | 100A:1B                |
| <b>Component B</b>        | LACKTHERM® 0004 COMP B |
| <b>Curing Time</b>        | 30 - 90 min            |
| <b>Curing Temperature</b> | 266 - 302°F            |
| <b>Gel Time</b>           | 3'15" - 3'30"          |
| <b>Component B II</b>     | LACKTHERM® 0011 COMP B |
| <b>Curing Time II</b>     | 15 - 45 min            |



|                              |                               |
|------------------------------|-------------------------------|
| <b>Curing Temperature II</b> | 266 - 302°F                   |
| <b>Gel Time II</b>           | 6'00" - 12'00"                |
| <b>Thinner</b>               | DILUENT RESIN LACKTHERM® 1105 |

**NOTE:**

It is recommended to preheat the part to a temperature between 158°F and 194°F.

The resin/hardener mixture remains stable indefinitely, as long as the impregnation system operates with continuous consumption, allowing renewal with newly catalyzed resin. During prolonged periods of system inactivity, it is recommended to keep the product refrigerated.

It is recommended to use Lacktherm® 0004 for drip impregnation systems, while Lacktherm® 0011 is advised for immersion tank processes.

**RECOMMENDATIONS**

Keep the package closed after partial use.

It is recommended that samples be sent monthly, through Weg Coatings' technical assistance, to monitor the stability of the material stored in the tank.

Use in a well-ventilated location.

Keep in a cool place, away from ignition points.

Keep the application tank closed after use.

**SAFETY PRECAUTIONS**

This product has been developed for industrial use and is intended to be handled by qualified professionals. Carefully read all the information contained in the Safety Data Sheet (SDS) available at: [www.weg.net](http://www.weg.net).

When handling this product, use the Personal Protective Equipment (PPE) as indicated in the product's SDS.

Empty packaging and materials with product residues must be disposed of in accordance with current legislation. Preserve the environment.

**NOTE**

The information contained in this technical bulletin is based on the experience and field knowledge acquired by the WEG technical team. If the product is used without prior consultation with WEG regarding its suitability for the intended application, the customer acknowledges that such use is at their sole responsibility. WEG does not assume any liability for the behavior, safety, suitability, or durability of the product.

Some of the information provided in this bulletin is based on estimates and may vary due to factors beyond the manufacturer's control. Therefore, WEG makes no guarantees and assumes no responsibility for yield, performance, or for any material or personal damages resulting from the improper use of the products or the information contained in this Technical Data Sheet.

The information contained in this document is subject to periodic changes without prior notice, in line with our policy of continuous improvement and development of products and services, aiming to deliver quality solutions that meet our customers' needs.