

# LIQUISEAL<sup>®</sup> Liquid Flashing Resin



## Overview

LIQUISEAL Liquid Flashing Resin is a two-component polyurethane-based resin used with LIQUISEAL Liquid Flashing Fleece to create a reinforced, cold-applied liquid flashing. LIQUISEAL Liquid Flashing Resin is compatible with all of Carlisle's single-ply membranes and is UV and color stable, solvent-free, low-VOC, and virtually odorless. Each LIQUISEAL Liquid Flashing Resin work pack includes Component A (white or gray) and Component B (clear), and when thoroughly mixed, will be a uniform white or gray color.

## Features and Benefits

- » Can be used to flash oddly shaped or difficult-to-flash penetrations
- » Can be used with all Carlisle single-ply membranes
- » Can be used on various substrates including metal, concrete, and masonry
- » Can be used to tie dissimilar roofing membranes together without building a curb
- » Available in light gray or highly reflective white color

## Coverage Rate

13.6 FT<sup>2</sup> (1.3 m<sup>2</sup>) per gallon.

Note: All yields are approximate and may vary depending upon smoothness and absorbency of substrate.

## Installation

1. Prepare all substrates by removing any irregularities and any loose or foreign materials such as dirt, water, grease, oil, lacquers, or release agents. Ensure that all metal surfaces are ground down to expose bare metal. Prepare membrane by sanding with 60-grit sandpaper.
2. Apply the appropriate primer to membrane and allow to flash off. Apply appropriate primer to all other surfaces to which flashing will be applied. Refer to Carlisle specifications and details for preparation and priming instructions.
3. Cut and prepare all reinforcing fleece before mixing resin.
4. Mix resin (Component A) with a clean spiral agitator until the liquid is a uniform white or gray color. Add hardener (Component B) to Component A and mix with a spiral agitator for 2 minutes or until both liquids are thoroughly blended.

### NOTE: For Sachet Packaging

Remove bag from the aluminum packaging. Knead white or gray resin (Component A) thoroughly until a uniform color is achieved.

Pull away the rubber cord separating the two components so that Components A and B can be mixed together. Knead the bag quickly and thoroughly for approximately 1 minute so that a homogenous resin is formed. The resin should be a uniform color, with no light or dark streaks present.

After the resin is mixed, cut off one corner of the bag and pour entire sachet of resin into a clean, new mixing pail. Working quickly, apply at a rate of approximately 13.6 FT<sup>2</sup> (1.3 m<sup>2</sup>) per gallon.

5. Using a nap roller or brush, apply two-thirds of the resin evenly onto the substrate using even strokes.
6. Roll the LIQUISEAL Liquid Flashing Fleece directly into the LIQUISEAL Liquid Flashing Resin, ensuring that the SMOOTH SIDE IS FACING UP (natural unrolling procedure) and avoiding folds, wrinkles, and air pockets.
7. Apply the remaining one-third of the resin and use the roller or brush to work the resin into the fleece, saturating from the bottom up. All areas of the fleece should be completely saturated with resin.

*Review Carlisle specifications and details for complete installation information.*

# LIQUISEAL Liquid Flashing Resin

## Disposal

Cured LIQUISEAL Liquid Flashing Resin may be disposed of in standard landfills. This is accomplished by thoroughly mixing all components.

Note: Uncured resin is considered a hazardous material and must be handled in accordance with local, state, and federal regulations. Do not dispose of uncured resin.

## Precautions

- » Always store in a cool, dry location between 35–80°F (1.7–27°C). Do not store in direct sunlight. Approximate shelf life is 12 months with proper storage. Best practice is to store material at 65–70°F (18–21°C) for 24 hours before use.
- » Do not install if ambient temperature is below 40°F (4°C) or above 90°F (32°C).
- » Do not break down work packs into smaller quantities; mix the entire work pack.
- » Prepare surfaces and pre-cut all fleece before mixing resin. Pot life will be shorter as ambient temperature rises.
- » Use appropriate safety glasses and protect hands and wrists by wearing gloves.
- » Avoid contact with eyes and skin. If swallowed, DO NOT INDUCE VOMITING. Call a physician immediately.
- » KEEP OUT OF THE REACH OF CHILDREN.

## Cool Roof Rating Council (CRRC)\*

|                           | Initial | Weathered       |
|---------------------------|---------|-----------------|
| Solar Reflectance         | 0.87    | Pending         |
| Thermal Emittance         | 0.90    | Pending         |
| Rated Product ID Number   |         | 0951-0010       |
| Licensed Seller ID Number |         | 0951            |
| Classification            |         | Production Line |

\* White Only

Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.

Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.

## Typical Properties and Characteristics

| Physical Property                 | Test Method | Value  |
|-----------------------------------|-------------|--|
| Packaging                         |             | 0.51 gal. (1.93 L) • 2.5 kg<br>1.03 gal. (3.90 L) • 5.0 kg |
| Color                             |             | Bright White or Gray                                       |
| Physical State                    |             | Cures to solid   |
| Thickness (165 Fleece)            |             | 80 mils  |
| VOC Content                       |             | 2 g/l  |
| Peak Load @ 73°F, avg.            | D5147       | 70 lbf/in.   |
| Elongation                        | D5147       | Min 30%  |
| Tearing Strength                  | D5147       | 90 lbf   |
| Puncture Resistance               | D5602       | 56 lbs.  |
| Dimensional Stability             | D1204       | 0.15%  |
| Water Absorption                  | D570        | >1%  |
| Impact Resistance                 | D2240       | Shore A:75   |
| Water Vapor Transmission          | E96         | 0.08 perms   |
| Crack Spanning                    |             | 2 mm/0.08 in   |
| Short-Term Temperature Resistance |             | 250°C/482°F  |
| Usage Time (Pot Life)*            |             | 30 minutes   |
| Water Resistance After*           |             | 2 hours  |
| Completely Hardened*              |             | 3 days   |

\*Values obtained at 73°F (22.8°C), 50% relative humidity, may vary depending upon air flow, humidity, and temperature.

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

## LEED® Information

|                               |             |
|-------------------------------|-------------|
| Rapidly Renewable Resource    | 70%         |
| Recycled Content % (post/pre) | 0/0         |
| Manufacturing Location        | Buffalo, NY |