



# HailCoat

## Overview

HailCoat is a fast-setting, spray-applied, two-component, 100% solids polyurea base coating. When used in conjunction with a silicone or urethane top coat, this durable base coating system provides protection for spray polyurethane foam (SPF) roofing systems against heavy abuse or hail events.

## Features and Benefits

- Durable protectant
- Easy to apply

## Installation

1. All surfaces to be coated must be clean, dry, and paintable. It may be necessary to power wash and/or prime to enhance adhesion.
2. Thinning or reducing is not recommended. Product may separate after shipping and storage, though it may still look mixed. Mix well before using. It is recommended to use a ¾ horsepower or larger air-operated mixer with a blade capable of uniformly mixing the entire container.
3. This product must be sprayed with a plural component spray gun designed for coating applications, through plural component proportioning equipment rated for at least 3,000 psi and capable of producing a minimum of 2,500 psi at the spray gun head. Preheater and hose temperatures should be set to 150°F (65°C).
4. This product may be applied directly to any clean, dry surface. SPF should be coated within 24 hours of application.
5. Subsequent coats should be applied within 12 to 24 hours of prior applications to ensure full and uniform adhesion. Coating may be applied in 2 or 3 applications, each applied at right angles to the previous coat. Coating must be evenly applied and pinhole-free. Before applying a subsequent coat of this product, the previous coat must be completely dry and cured.
6. Cleanup of spray equipment containing uncured material may be accomplished by flushing with xylene.

Review Carlisle Roof Foam and Coatings specifications and details for complete installation information. Please contact CRFC for more information.

## Precautions

- It is recommended that any subsequent coats over HailCoat be completed within 12 to 24 hours to ensure good adhesion. Priming may be required if HailCoat is exposed for more than 24 hours.
- HailCoat is not recommended directly over modified bitumen, asphalt, or coal tar built-up roofing systems without a sealer.
- See Safety Data Sheet (SDS) for complete safety information.

## Ratings and Approvals

UL 790 with CRFC SPF - R26705; 4 Impact Rating

## Shipping Information

Container Size	DOT Classification	Class
55 Gal.	Roof Coating, Not Regulated. NFMF #170080	55

## Typical Physical Properties

Property	Test Method	HailCoat
Tensile Strength	ASTM D412	3,100 psi
Elongation (break)	ASTM D412	500%
Tear Resistance	ASTM D624, Die C	650 pli
Permeability	ASTM E96 Procedure B	5.9
Temperature Stability Range		-80 °F to 350°F (-37°C to 177°C)
Low Temperature Flexibility (pass-fail)	ASTM D522 Method B	Pass – Tested 180° around mandrel @ -15°F (-26.1°C)
Tack Free Time	Temp. & Humidity Dependent	10-30 sec.
VOC	EPA Method 24	0 grams/L
Durometer Hardness	ASTM D2240 Shore D	50 points
Solids Content by Weight	ASTM D1644	100%
Solids Content by Volume	ASTM D2697	100%
Fire Resistance	ASTM E84	25 FSI/200 SDI
Flash Point	ASTM D93	> 105°F (40°C)
Cure Time		10 min – 2 hours
Shelf Life		(UNOPENED CONTAINERS): 1 year when stored between 35°F and 75°F (1.6°C and 24°C)
Color		Light Gray - when mixed as Component A is neutral and Component B is gray

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.

