



ICC-ES Listing Report

Reissued October 2024

ESL-1479

This listing is subject to renewal in October 2025.

CSI: DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 56 00—Fluid-Applied Roofing

Product Certification System:

The ICC-ES product-certification system includes evaluating reports of tests of standard manufactured product, prepared by accredited testing laboratories and provided by the listee, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the listee's quality system.

Product: ELASTAHYDE 790 AFC FLUID-APPLIED ROOF COATING SYSTEM

Listee: WESTERN COLLOID NC, INC.

Evaluation: The ElastaHyde 790 AFC fluid applied roof coating system consists of an AlastaHyde 790 AFC base coat, a polyester fabric reinforcing and a finish surfacing with two additional coatings of ElastaHyde 790 AFC attached to existing code-complying built-up roof coverings attached to combustible and noncombustible decks. The roof coating system consists of the following components:

- **Western Colloid Polyester Fabric:** The fabric reinforcement is a 3-ounce-per-square-yard (101.7 g/m²) stitch-bonded polyester.
- **Western Colloid Elastic Cement #800:** A water-based, acrylic resinous plastic emulsion with inert mineral pigments and fillers. The cement is available in 3¹/₂-gallon (13.2 L) containers and has a shelf life of one year when stored in unopened containers at temperatures between 50°F and 80°F (10°C and 27°C).
- **ElastaHyde 790 AFC:** ElastaHyde 790 AFC is a 100 percent acrylic elastomeric coating complying with ASTM D6083. The coating must be applied by roller, brush or spray and has a coverage rate as specified in Table 1. The coatings are available in 5- and 55-gallon (18.9 and 208.2 L) containers, and have a shelf life of one year when stored in unopened containers at temperatures between 50°F and 80°F (10°C and 27°C).

The ElastaHyde 750 AFC fluid applied roof coating system was evaluated when tested in accordance with the following standard:

- ASTM E108 (-07a), Standard Test Methods for Fire Tests of Roof Coverings, ASTM International.

Findings: The roof coating system using ElastaHyde 790 AFC fluid applied roof coating system described in Table 1 below are classified as Class A, B or C roof covering systems over existing code-complying built-up roof systems in accordance with ASTM E108. The roof coating systems are based on testing in accordance with ASTM E108, as referenced in the applicable sections of the following code editions below:

- 2009 and 2006 *International Building Code*®
Applicable Section: 1505.1

Identification:

- Each container of the coating, fabric and cement is labeled with the product name, the manufacturer's name (Western Colloid NC, Inc) and address, the date of manufacture and the shelf life, and the evaluation report number (ESR-2871) and / or ICC-ES listing number (ESL-1479), and when applicable, the ICC-ES listing mark.
- The report holder's contact information is the following:

WESTERN COLLOID NC, INC.
700 71ST AVENUE
OAKLAND, CALIFORNIA 94621
(510) 430-0270
www.westerncolloid.com

Installation: The system must be installed in accordance with Western Colloid NC, Inc's published installation instructions and applicable codes.

Conditions of listing:

- Additional attributes and their applications can be found in the ICC-ES Evaluation Report, ESR-2871.
- The listing report addresses only conformance with the standards and code sections noted above.
- Approval of the product's use is the sole responsibility of the local code official.
- The listing report applies only to the materials tested and as submitted for review by ICC-ES.
- The coating system is manufactured under a quality control program with inspections by ICC-ES.

TABLE 1—FIRE CLASSIFICATION—COATED EXISTING ROOFING SYSTEM

SYSTEM NO.	ROOF CLASS ¹	ROOF DECK ²	MAX. ROOF SLOPE	EXISTING ROOF SYSTEM ^{1,3}	COATING		
					Base Coating	Reinforcement ⁴	Top Coating
1	A, B or C	Combustible or noncombustible	¹ / ₂ :12	Class A, B or C 3-ply built-up roofing over ¹ / ₂ -inch wood fiberboard	One coat of ElastaHyde 790 AFC roller-applied over BUR at a rate of 3 gallons per 100 square feet	Elastahyde polyester fabric laid into wet coating and allowed to cure	Two coatings of ElastaHyde 790 AFC roller-applied over sheeting at a rate of 1.5 gallons per 100 square feet per coat

For **SI**: 1 inch = 25.4 mm; 1 gal = 3.785 L; 1 square = 9.29 m².

¹Classification remains the same as that of the existing FM-approved code-complying built-up roof covering system.

²For combustible roof deck materials, plywood sheathing must be minimum ¹⁵/₃₂-inch thick (11.9 mm), code-complying, exterior-grade or Exposure 1 plywood; and for noncombustible roof deck materials, steel deck must be minimum No. 22 gage galvanized steel [0.030 inch (0.76 mm)] and concrete must have a minimum compressive strength (f_c) of 2,500 psi (17.2 MPa).

³Wood fiberboard must comply with ASTM C208.

⁴See Evaluation Section of this report for description of Western Colloid Polyester Fabric reinforcement.