

## Product Evaluation

GDR71 | 0922

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

**Evaluation ID:** GDR-71

**Effective Date:** September 1, 2022

**Re-evaluation Date:** September 2026

**Product Name:** Series 790 Commercial Roll-up Garage Doors, Non-Impact

**Manufacturer:** Overhead Door Corporation  
2501 S. State Hwy 121 Bus.  
Suite 200  
Lewisville, TX 75067  
(800) 972-1730

### General Description:

Overhead Door Corporation sheet door curtains are constructed from G-40 galvanized steel. The 790 series is constructed with a 28-gauge curtain, with 1.5" x 1.5" x 0.125" thick bottom bar, and 14-gauge guide.

### Limitations:

**Design Drawings:** The rolling doors must be installed in accordance with "Windload 790 CW Guide 1," Drawing No. D-411119, Sheet 1 of 1, Revision A dated June 23, 2022. The drawing is sealed, digitally signed, and dated June 24, 2022 by John E. Scates. The stated drawing is referred to as the approved drawing in this report. A copy of the approved drawing must be available at the job site.

**Wall Construction:** The rolling doors may be mounted to the following types of wall framing:

- Cast-in-place concrete (minimum 3,000 psi)
- Steel, minimum 12-gauge or 14-gauge. Reference the approved drawing for minimum required thickness per door size/design pressure.
- Wood, minimum Southern Pine ( $G \geq 0.55$ )

**Maximum Opening Width:** 14'-0". Refer to the approved drawing for specific width requirements.

**Maximum Opening Height:** 16'-0"

**Glazing:** Not permitted.

**Allowable Design Pressure Rating:**  $\pm 22$  psf to  $\pm 41$  psf. Refer to the Guide 1 specification table on the approved drawing for the construction of the door and allowable span with the associated allowable design pressure rating.

**Product Identification:** The rolling door assemblies have a label that identifies the manufacturer (Overhead Door); the model numbers (790); the drawing number (411119); the allowable pressure rating; and the test standards (TAS 201, ASTM E 330, ANSI/DASMA 108).

**Impact Resistance:** The door assemblies have not been tested for windborne debris resistance.

**Acceptance of Smaller Assemblies:** Door assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

**Installation:**

**General:** These doors must be installed in accordance with the manufacturer's published installation instructions, the approved drawing, and this product evaluation report. A copy of the approved drawing and the manufacturer's installation instructions must be available at all times at the job site during installation.

The information within this evaluation report governs if there are any conflicts between the manufacturer's instructions and this evaluation report.

**Anchorage:** The rolling doors must be anchored to the structure in accordance with the approved drawing. Anchorage of rolling doors to concrete, steel, or wood must follow the mounting details on the approved drawings and the fasteners specified in the mounting details. Minimum edge distances and minimum embedment depths for all fasteners that penetrate into the structure must be as specified on the design drawings.

**Note:** Keep the manufacturer's installation instructions available on the job site during the installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.