



ELEGANT PROTECTION FOR WINDOWS & DOORS

Regency Accordion Shutter – Product Specification

ALUMINUM ACCORDION SHUTTER (MITIGATION BARRIER)

PURPOSE:

This document provides the necessary Product Specifications related to Roller Star USA Regency Accordion Hurricane Shutter System.

SECTION 1 of 2 – PRODUCT MATERIAL SPECIFICATIONS

- 1.1 Tracks, Blades and Angles
 - 1.1.1 Extruded aluminum alloy 6063-T6
 - 1.1.2 Minimum wall track thickness: .125”
 - 1.1.3 Minimum floor track thickness: .078”

- 1.2 Six Pretreatment Steps in Surface Preparation
 - 1.2.1 Sulfuric acid etch (dip)
 - 1.2.2 2-stage water rinsing process (dip)
 - 1.2.3 Single stage alkali solution (dip)
 - 1.2.4 Single stage water rinsing (dip)
 - 1.2.5 Chromium phosphate coating (dip)
 - 1.2.6 Final stage water rinsing (dip) dry

- 1.3 Coating
 - 1.3.1 DuPont polyester resin
 - 1.3.2 6-8 mill thick
 - 1.3.3 Powder coat applied
 - 1.3.4 Smooth glossy
 - 1.3.5 Colors: White, Beige, Ivory, Bronze

1.4 Mortise Lock

1.4.1 Designed for aluminum or steel entrance doors.

- A. 1" x 6" steel case and mechanism.
- B. Zinc plated for corrosion protection.
- C. Both mortise locks accept any standard 1-5/32" mortise cylinder or thumb turn from either or both sides.
- D. 360 degree turn of key (or thumb turn) actuates a simple pivoting mechanism, which in turn throws or retracts the counter balanced stainless steel bolt.
- E. Heavy-duty five-ply 304 stainless steel bolt with concealed hardened steel pin.
- F. Clear anodized aluminum faceplate.
- G. 410 Stainless steel fasteners for the faceplate.
- H. Clear anodized zinc die cast cylinder mortise lock or thumb turn.
- I. Aluminum catch.
- J. Countersunk Pop Rivet 3/16" x 3/8" Dome Head (protruding) self-plugging.

1.5 Wheel Assembly

1.5.1 Nylon UV protected wheels

1.5.2 Stainless steel wheel carriage

1.5.3 Fastener: Xylan coated SS # 14 x 2-3/4" lg. screws

1.6 Ferrules

1.6.1 Nylon UV protected bushing guides and spacers

1.6.2 Fastener: Xylan coated SS # 14 x 2-3/4" lg. screws

1.7 Fabrication Fasteners

1.7.1 410 Stainless steel self-drilling screws (unless otherwise noted).

1.7.2 Countersunk Pop Rivet 3/16" x 3/8" Dome Head (protruding) self-plugging.

1.8 Operation

1.8.1 Manual: The accordion shutter is unfolded across the opening.

1.8.2 Engage lock

SECTION 2 of 2 – LABELING

3.1 Fabricated units bear the following tamper resistant label:

