



2020 OPERABLE

OldCastle BuildingEnvelope® offers a comprehensive portfolio of operable windows. The 2020 features best in class components such as a rainscreen design, high thermal values and a frameless elegant appearance. The hardware on the 2020 is ergonomic in design, user friendly and durable for a lifetime of operation.

The Zero Sightline 2020 is designed without the sightline of a conventional inserted aluminum window and is specifically engineered to be inserted into curtain and fixed framing.

FEATURES

- Tubular sash
- Structurally bonded between sash and glass with 2-part structural sealant
- Optional extruded aluminum insect screen frame with fiberglass or aluminum mesh
- Glazing options range from 1.00" to 1.75" depths
- Fabricated, assembled and glazed by Oldcastle BuildingEnvelope®
- Used in any captured or structurally silicone glazed curtainwall configuration
- Available as an awning or outswing casement operable window



Corner keyed sash for added strength



Sleek visual appearance

BENEFITS

- High thermal performance
- Strength and durability
- Ease of installation
- Awning and Casement option
- Increased resistance for air and water exceeds industry standards
- Can be adapted into multiple systems
- Can be concealed from the exterior
- Durable window that lasts – 5-year standard warranty



PERFORMANCE DATA 2020 OPERABLE

Standards

Meets;

- NAFS 05* & CSA A440S1-09 Canadian Supplement
- NAFS 17* & CSA A440S1-09 Canadian Supplement

*NAFS Classification AP-AW-PG60 – Roto Operator

PERFORMANCE DATA ROTO OPERATOR

- Air Infiltration / Exfiltration: $<0.5 \text{ L/s.m}^2$ (0.10 cfm/ft²) @ 300 Pa (6.24 cfm/ft²) per ASTM E283; Canadian A3 Level
- Life Cycling Testing per AAMA 910-10
- Thermal Cycling Test: High 82 °C (180 °F) Low -18 °C (0 °F)
- Static Water Penetration Test: 720 Pa (15 psf) per ASTM E331
- Cycle Pressure Water Penetration Test: 720 Pa (15 psf) per ASTM E547
- Uniform Load Deflection Test: 2880 Pa (60 psf) per ASTM E330
- Uniform Load Structural Test: 4320 Pa (90 psf) per ASTM E330
- Forced Entry Resistance Test: Grade 20 per ASTM F588

We offer the most comprehensive portfolio of products specified to close the building envelope.



Thermal Products

Entrances and Storefronts

Architectural Glass

Skylights

Blast- and Hurricane-Resistant