

# MasterLine 10 PH

**NO COMPROMISE — PASSIVE HOUSE CERTIFIED · ALUMINIUM CASEMENT & AWNING**

A Passive House Certified aluminium window system delivering **superior thermal performance, minimal sightlines, and proven durability** — engineered for maximum daylight, safety without compromise, and seamless integration into high-performance building envelopes.

Passive House Certified	Cradle to Cradle Bronze	NFRC Compliant	AAMA 501
<p><b>0.17</b></p> <p>Uf — Btu/hr.ft<sup>2</sup>.°F            Metric: 0.99 W/m<sup>2</sup>K  <b>THERMAL — FRAME</b></p>	<p><b>0.14</b></p> <p>Uw triple — Btu/hr.ft<sup>2</sup>.°F            Metric: 0.80 W/m<sup>2</sup>K  <b>THERMAL — WHOLE WINDOW</b></p>	<p><b>Class 4</b></p> <p>Air · E900 · C4            Air 0.01 cfm/ft<sup>3</sup> · Water 15 psf  <b>AIR / WATER / WIND</b></p>	<p><b>STC 50</b></p> <p>OITC 44 dB            Rw 46(-1;-4) · DC 44(-2;-4) dB  <b>ACOUSTIC</b></p>

*Imperial values for North American specification. All values per applicable ASTM / AAMA / EN standards. Imperial conversions approximate. Confirm with current technical documentation prior to specification submission.*

## 5. KEY PERFORMANCE ATTRIBUTES

### Confirmed Technical Data

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#### Frame & Sizing

- **Frame depth:** 3.8 in / 97 mm
- **Min. frame-vent width:** 4.1 in / 104 mm
- **Max. vent height:** 110.2 in / 9.2 ft (2800 mm)
- **Max. vent weight:** 441 lbs / 200 kg
- **Glass thickness:** 21–72 mm (triple glazing standard)

#### Materials & Security

- **Frame:** High-quality extruded aluminium — long-term UV and corrosion resistance
- **Finish:** Full RAL colour range; dual-colour; anodised on request
- **Security:** Multi-point locking standard · RC2/RC3 burglary resistance available as upgrade option
- **Traceability:** DigiTrace digital product passport per element

## 6. DESIGN VARIANTS & OPTIONS

### Architectural Flexibility

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- **Functional:** Standard — clean flush finish, fits any building style.
- **Hidden Vent:** Flush exterior; tilt-and-turn operation fully concealed.
- **Renaissance:** Classic profile detailing for heritage and traditional façades.
- **Deco:** Decorative profile for distinctive architectural expression.

*All variants: full RAL range, dual-colour (interior/exterior), anodised on request.*

#### Product Options

Concealed Hinges · Concealed Drainage · Glass Corner · Motorised Operation · Flyscreen · Balustrade · Clip-on Cover Cap · Handle Range

*Options depend on profile and configuration. Confirm project-specific availability with Primeline.*

## 7. PROJECT OUTCOMES

### What It Delivers

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#### Specification Confidence

- Passive House Certified, NFRC Compliant, AAMA 501 — specifiable with tested, certified values
- RC2/RC3 burglary resistance supports insurance and building code requirements
- Cradle to Cradle Bronze certification supports ESG and sustainability reporting

#### Acoustic & Daylight

- STC 50 / OITC 44 dB — relevant for high-density residential, hotels, and urban ICI
- Max vent height 9.2 ft (2800 mm) — supports large-format, high-daylight facades

#### Prefabricated Construction

- Factory pre-installation into PrimeWall panels — window and wall arrive as a single crane-ready unit
- Single-source accountability for wall and window under Triumph Group / Primeline / PrimeFab
- Motorised operation supports accessible design and smart building integration

#### Lifecycle & Sustainability

- Extruded aluminium — long-term UV and corrosion resistance; minimal maintenance lifecycle
- Cradle to Cradle Bronze certification supports ESG and project sustainability reporting
- DigiTrace per-element digital product passport supports embodied carbon documentation
- Available as a premium glazing option within PrimeWall prefabricated panels — specification subject to project requirements and estimator confirmation

## 8. TECHNICAL DATA

### Performance & Specification Reference

PARAMETER	VALUE (IMPERIAL / METRIC)	NOTES / STATUS
<b>Thermal – Frame (Uf)</b>	0.17 Btu/hr.ft <sup>2</sup> .°F / 0.99 W/m <sup>2</sup> K	NFRC Compliant
<b>Thermal – Whole Window (Uw)</b>	0.14 Btu/hr.ft <sup>2</sup> .°F / 0.80 W/m <sup>2</sup> K	Triple glazing; Reynaers database confirmed
<b>Air / Water / Wind</b>	Class 4 · Air E900 · C4	Air 0.01 cfm/ft <sup>3</sup> · Water 15 psf
<b>Acoustic</b>	STC 50 · OITC 44 dB	Rw 46(-1;-4) dB · DC 44(-2;-4) dB
<b>Frame Depth</b>	3.8 in / 97 mm	Profile depth (opening vent)
<b>Min. Frame-Vent Width</b>	4.1 in / 104 mm	
<b>Max. Vent Height / Weight</b>	110.2 in / 9.2 ft (2800 mm) · 441 lbs (200 kg)	
<b>Glass Thickness</b>	21–72 mm / 7/8" – 2 7/8"	Compatible with triple glazing units
<b>Security</b>	Multi-Point Locking standard · RC2/RC3 available as upgrade	Upgrade option – confirm with Primeline for project spec
<b>Frame Material</b>	Extruded aluminium – UV/corrosion resistant	Long-term durability
<b>Finish</b>	Full RAL · dual-colour · anodised	Confirm availability per project config
<b>Design Variants</b>	Functional · Hidden Vent · Renaissance · Deco	All four variants available in Canadian / North American market
<b>Certifications</b>	Passive House Certified · Cradle to Cradle Bronze · NFRC · AAMA 501	Cool and temperate climate rating