

ST90 WINDOWS & DOORS

PASSIVE HOUSE STANDARD



Window: Uw values as low as 0.48 Wm²K Door. Uw values as low as 1.1 Wm²K

Glazing Opportunities & Window Variants

Glazing - Window & Door: Double or triple glazed up to 62mm Variants - Inward/Outward Opening Top Hung, Side Hung Bottom Hung, Tilt & Turn, Tilt & Slide

Durability, Security & Accessibility

Durability: Repeated opening & closing - window (30,000), Door (200,000)

Security: High security locking systems, tested to Pas 24 Accessibility: Doors available in single/double door configurations, emergency exit, wheelchair friendly

Available Finishes

Single or dual colour

Over 200 RAL colours

Qualicoat Powder Coating

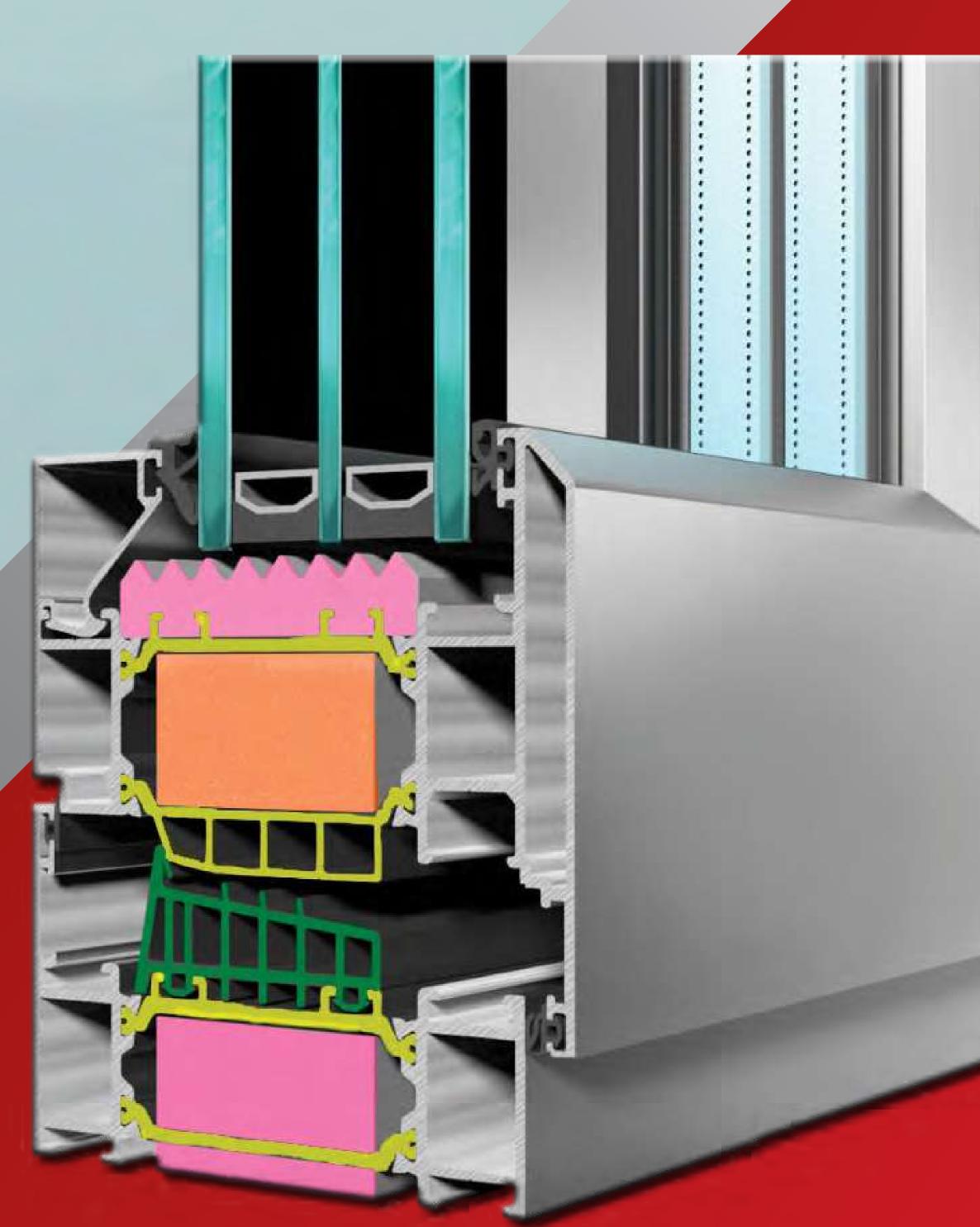


Low Thermal Conductivity Polyamides

Closed Cell Polyethylene Foam

Rigid Polyurethane Insulating Core

EPDM & Cellular EPDM Insulating Centre Seal Gasket



Systems installed: ST90 Windows & Doors , TB50 Curtain Wall System

ST70 HI WINDOWS & DOORS HIGHLY DURABLE, THERMALLY ENHANCED WINDOWS & DOOR SYSTEMS

Thermal Performance

Window: Uw values as low as 0.97 Wm²K Door. Uw values as low as 1.4 Wm²K

Glazing Opportunities & Window Variants

Glazing - Window & Door : Double or triple glazed up to 42mm
Variants - Inward/Outward Opening Top Hung, Side Hung &
Bottom Hung, Tilt & Turn, Tilt & Slide, Parallel Sash

Durability, Security & Accessibility

Durability: Repeated opening & closing window (30,000) Door (200,000)

Security: High security locking systems, tested to Pas 24
Accessibility: Doors available in single/double door
configurations, emergency exit, wheelchair friendly
threshold

Available Finishes

Single or dual colour

Over 200 RAL colours

Qualicoat Powder Coating



ST WINDOW & DOOR ALTERNATIVES

ST80 & ST60



Thermal Performance

Window: ST80 as low as - 0.91 Wm²K ST60 as low as - 1.8 Wm²K Doors: ST80 as low as - 1.1 Wm²K ST60 as low as - 1.9 Wm²K

Glazing Opportunities & Window Variants

Glazing: Window & Door: ST80 double/triple glazing up to 52 mm ST60 double glazing up to 32 mm Variants: Inward/Outward Opening Top Hung, Side Hung Bottom Hung, Tilt & Turn, Tilt & Slide, Parallel Sash

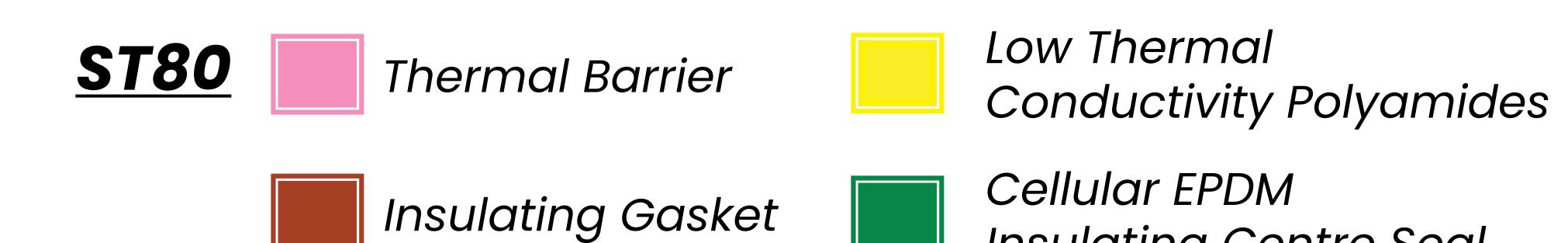
Durability, Security & Accessibility

Durability: Repeated opening & closing - window (30,000), Door (200,000)

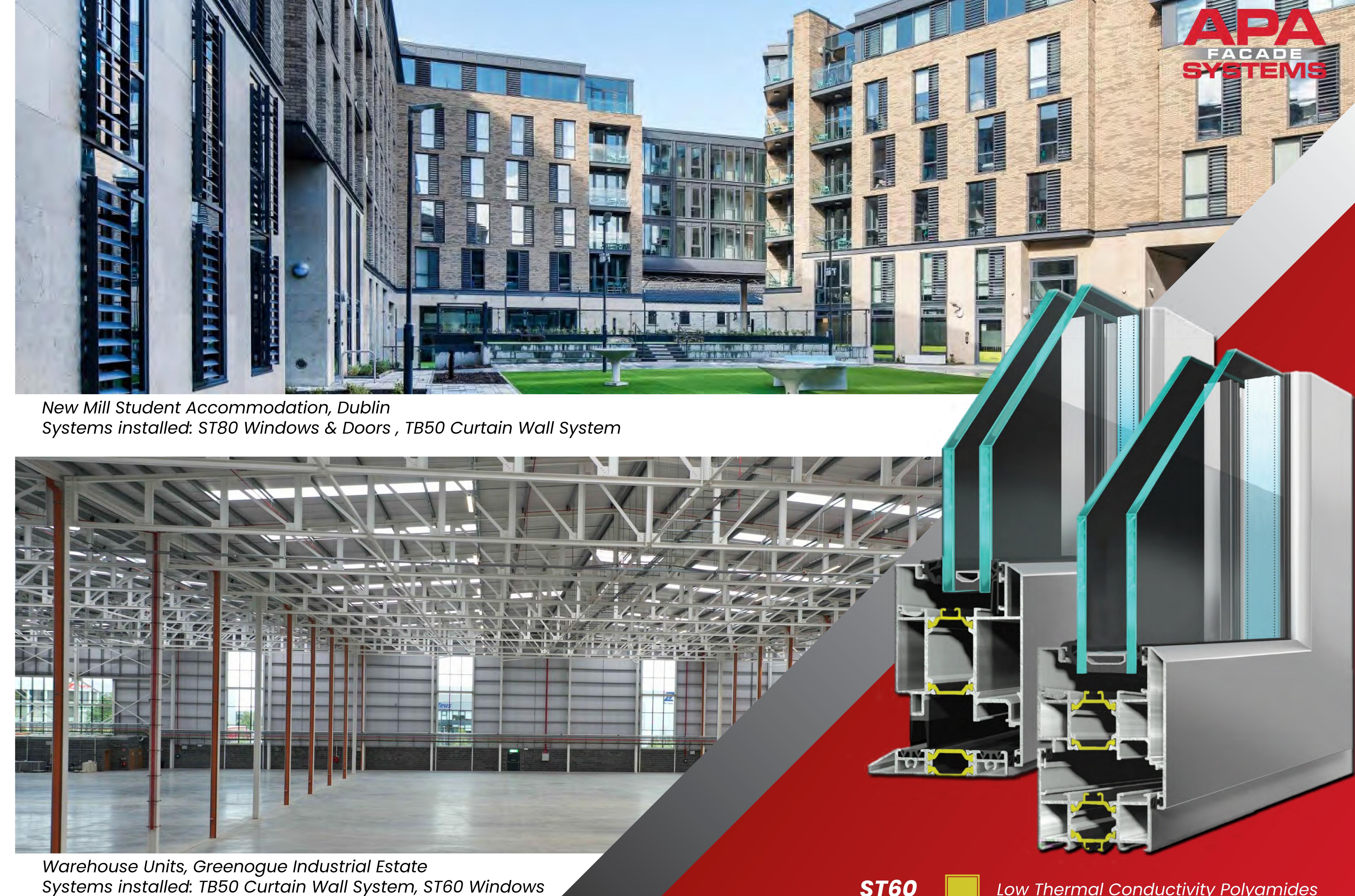
Security: High security locking systems, tested to Pas 24 Accessibility: Doors available in single/double door configurations, emergency exit, wheelchair friendly threshold

Available Finishes

Single or dual colour Over 200 RAL colours Qualicoat Powder Coating



Insulating Centre Seal



Sustainability

Our profiles are manufactured with a significant proportion of recycled aluminium, reinforcing our commitment to sustainable manufacturing practices. Recycling aluminium requires 95% less energy and thus produces 95% fewer greenhouse gas emissions than produced during primary production, whilst still retaining 100% of its mechanical properties.

At APA, our window systems are fabricated with expandable cast cleats and secured with conical screws. This allows them to be dismantled, recycled, reproduced and reused, contributing to the circular economy of the construction industry.

Our profiles have been installed on LEED Platinum and BREEAM outstanding certified projects - representing the pinnacle of sustainable building standards.

Environmental Product Declarations

Each of our products are accompanied by an Environmental Product Declaration (EPD). An EPD is a comprehensive document that provides detailed information about the environmental impacts and sustainability of a specific product throughout its entire life cycle.

We developed EPD's as a valuable tool for sustainability-conscious architects and contractors to help them make informed decisions that align with the sustainability goals of the project.

Locations

<u>Dublin</u>

Unit 12, Parkmore Industrial Estate, Longmile Road, Dublin D12 VXH9 +353 (0) 1 450 9102

Life Cycle Of Our Aluminium Profiles

