



AMS XT66 High Performance Window System



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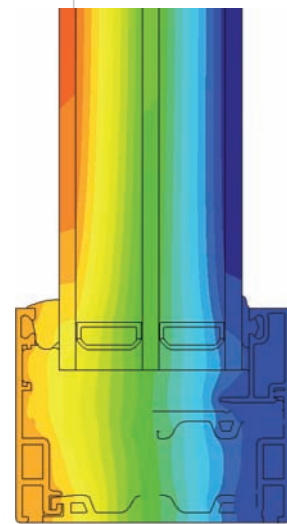


The XT66 High Performance Window System has been developed by AMS, in Cork, to satisfy the highest of thermal requirements that the modern building industry demands, exceeding all building regulations with its superior performance and energy efficiency characteristics.

The XT66 system comes fully certified with the BM Trade "Q" Mark, (having been tested to BS6375 parts 1 & 2) and fully "Secured by Design" certified, having been further tested to PAS24:2012. In addition to our stringent quality and security testing, the XT66 system also offers a heavy duty, Category 3 status for repeated opening and closing in excess of 20,000 cycles.

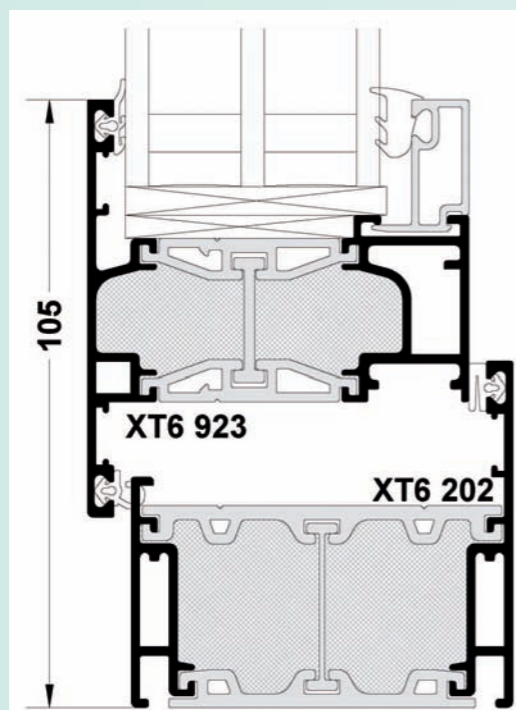
The XT66 retains our 66mm profile configuration, allowing for glazing depths between 28mm and 48mm units. It is through this glazing configuration that we can offer window U values as low as 0.85 W/m2K. Achievable energy ratings range from "A" Rated for triple glazed units and "B" Rated for standard double glazed units. All screens utilising the XT66 system may be internally or externally glazed and offers Casement and Tilt & Turn sash options as standard.

The AMS XT66 further enhances our current window and curtain wall suites of TS66, RBS66 and MU800 systems through its seamless compatibility and interchangeability, which offers architects, fabricators and end-users alike a range of configurations and capabilities never before seen in the commercial market place. This places the AMS XT66 system at the forefront of modern window and glazing technology.



Advantages:

- Can take double or triple glazed units from 28 to 48mm.
- U values as low as 0.85 W/m2K.
- Various sash options available.
- Patented thermal break technology unique to AMS.
- Can be internally or externally beaded.
- Various mullion & coupler profiles to achieve large span windows.
- Extensive range of extruded cill profiles.



XT66 Window System

Security Performance:

Tested to PAS 24, specification for enhanced security performance of windows and doors.

Thermal Performance:

Window U-values based on 'non dwelling' style window (L2), 1230mm x 1480mm high with full sash. U-value calculated in accordance with BS EN ISO 10077-2:2012. (* 48mm TGU, U=0.527 W/m2K)

Glass U-value	1.00	1.12	1.20	0.577 (44 TGU)
XT6200 - XT6913	1.34	1.41	1.45	0.92*
XT6200 - XT6913 - C.S.	1.30	1.35	1.41	0.85*
XT6202 - XT6913	1.34	1.39	1.44	0.95
XT6202 - XT6913 - C.S.	1.29	1.34	1.39	0.89
XT6202 - XT6908 (T&T)	-	1.50	-	1.09

Weather Performance:

- :: Tested to BS 6375 - 1: 2009.
- :: Air Classification – 4: 600 Pa.
- :: Water Tightness – E900: 900 Pa.
- :: Wind Resistance – EA2400.

Operation Performance:

- :: Tested to BS 6375 - 2: 2009.
- :: Resistance to racking – Class 3.
- :: Resistance to static torsion – Class 3.
- :: Resistance to repeated opening and closing – Class3 (20,000 cycles).
- :: Operating forces – Class 1.
- :: BS 6375 – 3:2009, basic security test – Pass.

Polyester Powder Coatings

At AMS we can help you bring your design to life with our wide range of paint colours and finishes. We offer a varied choice of architectural polyester powder coating finishes, including dual colour as standard, that are guaranteed through the 'Qualicoat' approved applicator scheme, of which AMS is a continuing member.

All polyester powder coating is carried out in-house on a state of the art vertical paint line. Our eight stage chromate free pre-treatment process meets all of the latest environmental legislation and ensures a quality finish and service every time.



Decoral

The Decoral system is a process of applying a wood grain effect onto aluminium profiles. Decoral has all the aesthetics and texture of wood but has a major advantage in that there is none of the associated maintenance costs. We offer a 10 year guarantee on wood grain finishes and due to popular demand our portfolio of wood grain options is ever increasing.

Available finishes include:

Mahogany, golden oak, dark oak, natural oak, teak, raw teak, teak softwood, chestnut, oregon, natural oregon, yellow oregon, oregon pine, knotty pine, natural maple and cinnamon.

