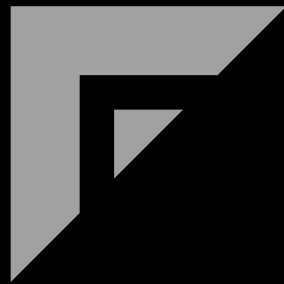


FORMULA
ONE
RANGE



Technical Details

A Winning Formula

The Formula One range is manufactured using a fully integrated profile suite. The fully sculptured profile and matching glazing bead result in a range of windows and doors that are attractive in appearance with classic styling and tremendous appeal.

All window and door profiles are manufactured to BS7413, the specification for PVC-U extruded profiles with heat welded corner joints.

Our manufacturing plant and procedures are ISO 9001:2000 accredited to ensure consistently high quality frames are manufactured every day to stringent procedures.

The main profile depth of 70mm incorporates 5 chambers (front and back) at the core of the design philosophy. Having 2 chambers either side of the reinforcement chamber prevents thermal bridging and provides a superb thermal insulation performance.

The advanced design features will also allow the system to meet with any potential future requirements of the UK Building Regulations.

At the heart of the Formula One Range is its energy efficiency credentials, achieving an 'A' grade energy rating with ease and using RCM (Recycled Composite Material) where possible to reinforce the profiles. This provides considerable green benefits, higher screw retention than steel and a tangible benefit to any homeowner with a reduction on emissions and heat lost through windows.



- Five chamber, 70mm energy efficient design
- Internal Glazing Beads for extra security
- PCE Co-Extruded Gasket increases and improves weatherseal
- Deep drainage furrow
- Localised profile thickening for excellent hardware anchorage
- RCM recycled reinforcing can be used to increase energy performance

Environmental Benefits

The windows can be energy rated to an Energy Rating of 'A' which provides a net energy gain of 2KWH/m²/per year to the household.

Formula One Windows are ecologically sound and sustainable with post consumer waste PVC-U being recycled to make state of the art window reinforcing material, RCM which is used where possible.

Energy Window	
Rapid Frame Ltd Internally Glazed PVC U Casement Window The Formula One Range (Swiss 24:7) A	
	A
Energy Index (kWh/m ² /year) <small>(Energy Index certified by BRC and based on UK standard conditions. The actual energy consumption for a specific application will depend on the building, the local climate and the indoor temperature.)</small>	2
The climate zone is:	UK
Thermal Transmittance (U _{frame})	1.6 W/m ² .K
Solar Factor (g _{frame})	0.50 W/m ² .K
Effective Air Leakage (L _{air})	0.00 W/m ² .K
	Reg. No.: 892 www.bfrc.org
<small>This label is not a statutory requirement. It is a voluntary label provided as a customer service to allow consumers to make informed decisions on the energy performance of competing products.</small>	



Selected products supplied and manufactured by Rapid Frame Limited are certified to the above accreditations.



Finishes

PVC-u profiles are available in Rosewood, White and Golden Oak as standard and can be produced to give a choice of internal and external finishes. Other colours are available to order, including White and Black foiled finishes.



Door Hinge

Doors are fitted with fully adjustable 3D hinges that carry an impressive weight loading capability. The hinges exceed the performance requirements of PAS023/PAS024.



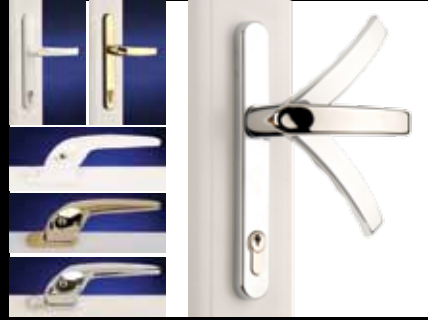
Door Lock

The multi-point locking door mechanism comprises of a deep throw centre hook, stainless steel top and bottom hock bolts, deep throw dead locks with a stainless steel faceplate. Four rollers interspaced along the whole length of the lock provide improved security and weather-proofing, and combine with the other features to give a total of eight locking points to further increase forced entry resistance.



Patio Doors

Patio doors include a high security anti jacking system with a 4 point hook lock. The slider is fitted with double rollers and runs on a stainless steel easy glide track. The system also incorporates double wool piling for improved draught proofing.



Window & Door Handle

All handles are die cast for strength and durability and are available in a range of colours. The hard wearing and decorative surface finish is produced using PVD coating technology, which offers improved levels of corrosion and scratch resistance. A 10 year corrosion resistant handle is available for areas with particular susceptibility to corrosion such as coastal areas.



Window Lock

Two options are available for window locks, both are high security and compliant with the police preferred specification Secure By Design. Both are multipoint locking systems with facilities for back- ground ventilation and have been tested to withstand 50,000 operation cycles.

SHOOTBOLT

The gearbox mechanism drives locking rods into tensile zinc alloy keeps.

TSL

The gearbox mechanism drives opposable cams together, meaning that if the window is forcibly attacked the cams pull in toward each other in the zinc alloy keep to increase resistance.



Window Hinge

All window hinges are UK manufactured, produced from stainless steel and offer excellent load bearing characteristics, with resistance to fatigue and corrosion. The range has options for egress, easy clean and opening restriction to conform to building regulations where appropriate.

Please return this brochure to showroom
when finished in the interests of saving a tree.
Alternatively, please pass to a friend who may
find this leaflet interesting. Thanks!

