

No-Bar™ Anchoring System



Winbar's No-Bar™ Anchoring system (Registered US Patent No. 8,151,540 B2) upgrades the effectiveness of SafetyZone security films, making windows and facades a significantly stronger barrier to blast and blow. No-Bar™ Anchoring System secures the film to the window frame, maximizes the effectiveness of the film and delays collapse of the window.

How does it work?

No-Bar™ Anchoring System uses an innovative, unique and aesthetic system of aluminum profiles to mechanically clamp SafetyZone security films to the window frame.

Being flexible and shock absorbent, No-Bar™ Anchoring System can resist both enormous pressure and direct force. This gives ideal protection from explosion and bomb blast, forced entry, and natural disaster, which

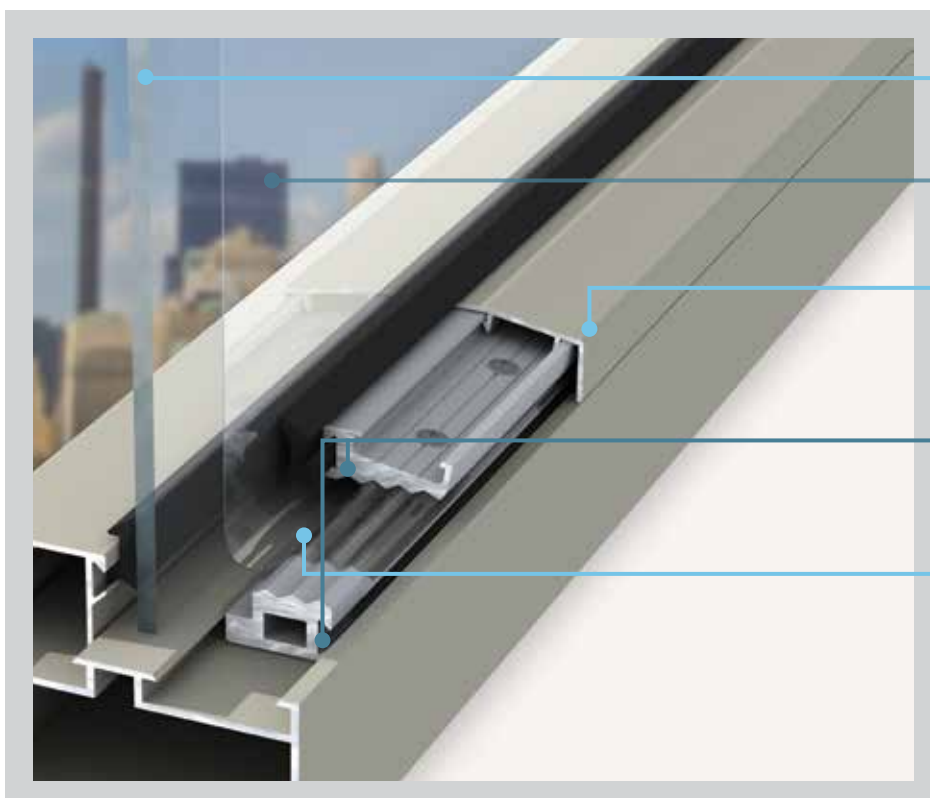
would otherwise cause dangerous glass fragments to fly and the glazing system to fail.

The professional touch

No-Bar™ Anchoring System is suitable for most window frame types, including facades, doors and skylights. Installation is swift and non-disruptive and the system is color matched to the window frame.

No-Bar™ Anchoring System is recommended for:

- High security or high risk sites such as embassies, airports, oil/gas compounds or military bases.
- Storefronts and commercial centers with a high risk of break-in or vandalism. Provides an aesthetic alternative to window bars or shutters, and enables 24 hours viewing of valuable goods.
- Areas exposed to extreme weather such as hurricane or earthquake.



Existing glass pane.

SafetyZone multi laminated security film

Aluminium powder coated color capping

Top and bottom fixing bar with unique serrated clamp giving an even grip over whole length of the bar.

Rubber gasket.

No-Bar™ Anchoring System provides:



Maximum blast protection

In comparative blast testing, No-Bar™ Anchoring System significantly outperforms competitor mechanical anchoring systems, and surpasses the requirements of GSA level C + D with hazard level of 3A.



Enhanced hurricane defence:

No-Bar™ Anchoring System has been tested to withstand +420 psf at ASTM E330 wind blast testing.



Maximum burglary resistance:

No-Bar™ Anchoring System holds up to repeated blows by a baseball bat, bricks or steel profile, deterring would-be criminals.



Enhanced fire resistance:

No-Bar™ Anchoring System provides vital minutes of protection from attack by Molotov cocktail or arson.

Tried and tested in live full scale blast tests

No-Bar™ Anchoring System exceeds the demands of GSA class C and D, withstanding the 22 psi pressure and 95 psi*msec impulse of 100 kg of TNT from 18 Meters. (ISO 16933:2007(E) 100Kg TNT As followed: EXV45(X), EXV33(X), EXV25(X), EXV19(X))

