



**NK WINDOWS**  
uPVC Systems

# NK Windows - Security Benefits of PVC Systems

Date: August 2016

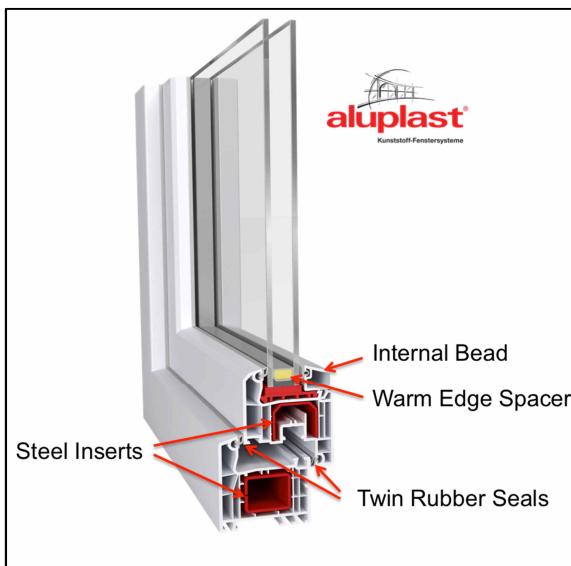
**Your choice of window frame material, hardware options and glazing all affect the physical security and risk of injury to you and your family. NK Windows only offers high quality solutions including options that provide exceptional levels of safety, security and peace of mind for you and your family.**

## There are many variables

Security aspects to be aware of when considering an investment in windows and doors are: profile design, glazing and hardware.

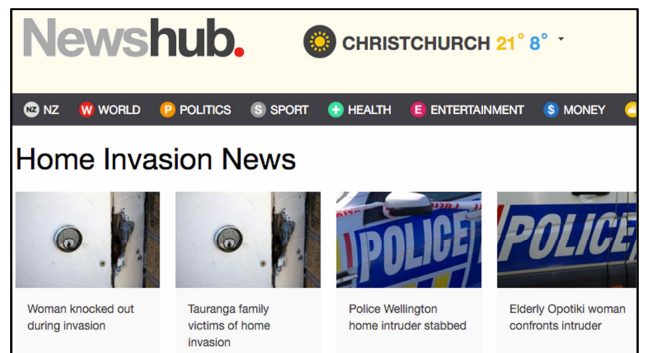
## Modern uPVC

NK Windows partner with German-based Aluplast GmbH for uPVC profile systems. They are world-leaders in the field and focus solely on uPVC for window and door systems. Their products are used around the globe. We design and manufacture windows and doors to your exact specifications in Christchurch.



## Superior hardware

NK Windows partner with world leaders Austrian-based Maco Group and German-based Roto-Frank for window and door hardware. Both design and manufacture in Austria and Germany to the highest standards, use high quality steel and thoroughly test products prior to shipping. Multipoint locking systems as standard ensure optimal security whilst additional protection options are available if required. Locking window handles, multipoint locking espagnolette with adjustable mushroom cams and restrictors provide additional peace of mind for you and your family.



*High performance window hardware and glazing options can provide a very secure home helping to protect against the most determined burglar or home invader.*

## Hardware – break-in resistance

European standard DIN EN 1627 RC3 applies to doors, windows and curtain walls and defines the resistance classes, resistance time (the time period in which a product can resist a break-in), types of offenders and the procedure. NK Windows partner with hardware manufacturer Maco Group based in Austria whose products comply with DIN EN 1627 RC3. Maco hardware is resistant to kicking, pressing, jumping against, bodily force, use of a screwdriver, shim and pliers. With additional use of a second screwdriver and a crowbar it will take 5 - 20 minutes to break into a house.





*Lockable window handles provide greater security.*

## Internal glazing and steel inserts

The design of our window and door systems only allow for glazing to be removed internally. It cannot be removed externally. This combined with steel inserts in all our frames that are screwed to the house during installation; plus the fact modern glass construction is mandated to be very strong and impact resistant makes a house installed with our systems very secure and very difficult to achieve forced entry.

## Glazing – human impact safety

Glass is classified as a hazardous building material in the NZ Building Code and needs to be either protected from human impact, strong enough to withstand impact without breaking, or break safe.

Our standard offering is fully compliant with the Code, but there are many other options. Our Christchurch-based partner Viridian Glass offers a full range of heat-treated and laminated safety glass. Please speak to your NK Windows representative.

## Glazing – break-in resistance

Normal glazing products provide limited security, but our Christchurch-based partner Viridian Glass offers a full

range of applications protecting against “smash and grab” through to bullet resistance. Please speak to your NK Windows representative.



*Multipoint locking espagnolette with adjustable mushroom cams provides greater security.*

