

## Direct Glazing

Advantages over an indirect glazing system are:

- Glass can absorb some of the torsional body loadings increasing rigidity and strength
- Expansion of engineering and design freedom
- Aerodynamic and aesthetically styled flush glazing possible
- Improved water resistance

This is a method of securing the glass directly onto the painted metal / aluminium / glass reinforced plastic (GRP) aperture with the use of an adhesive sealant.

The integration of the glass onto the vehicle body increases the torsional strength and rigidity of the vehicle and the direct glazed glass - if of sufficient substance to take the stress load it becomes a semi-structural component.

Because of the transference of stress to the glass, the adhesives must be tough but flexible enough to allow for normal body movement.

The glass also has to be free from any edge deformation. For direct glazing to be effective, discipline and control is required to ensure cleanliness and correct application of materials (process control).

In addition, there must be particular emphasis placed on the condition of the aperture substrate ensuring it is free from corrosion.

Manufacturers' instructions on usage and storage of sealant adhesives and primers must always be observed.

The fast-cure systems we use are chemical curing adhesives (those that cure from inside to out) and are protected from UV light either by a moisture curing adhesive (those that cure from outside to in) or a trim section.