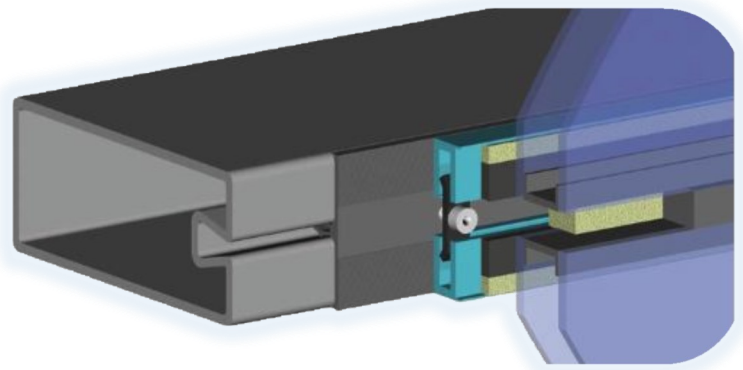


## WSL SG60 Series Curtain Walling

The SG blast resistant curtain walling system offers a significant development in the design of blast mitigation glazing systems. Utilising grid profiles from the 60mm wide SR curtain walling range, the system is designed as a semi unitised, structurally glazed system. The narrow 60mm sightlines, in combination with the structurally glazed exterior gives the appearance of any other non-specialised glazed assembly, enabling the designer to move away from the traditional wide profiles normally associated with blast resistant applications. Fully accredited range test data according to ISO/DIS, ASTM and GSA standards is available in order to verify the performance of the system to hazard level none or hazard level low for a medium range lorry, or hazard level high for close range car bomb charges in multipanel large span configurations.

### OVERVIEW

- ◇ MULTIPLE FRAME OPTIONS
- ◇ HIGH QUALITY GALVANIZING
- ◇ INTERNAL & EXTERNAL APPLICATION
- ◇ POWDER COATED FINISH



### SYSTEM SCOPE

- ◇ Framing Depth: 40, 60, 90, 140, & 180mm
- ◇ 60mm Width Profile
- ◇ Wall Thickness Of 2-3mm or 4mm
- ◇ Internal & External Applications

## Test Number 1—Cubicle #1



Before Detonation



Blast



After Detonation

## Test Number 1—Cubicle #2



Before Detonation



Blast



After Detonation

## Test Number 2—Cubicle #2



Before Detonation



Blast



After Detonation

The information below is a summary of measurements & results taken from the official report. This report remains confidential, due to information on exact charge weights and stand-off distances. In summary, test number 1 simulated a lorry bomb, and test number two simulated a car bomb at close range. An explanation of the classifications can be found on the next page. It should be noted that cubicle #2 receive two blasts within a matter of hours and still resulted in a high protection classification.

## Test Number 1—Cubicle #1 measurements & results

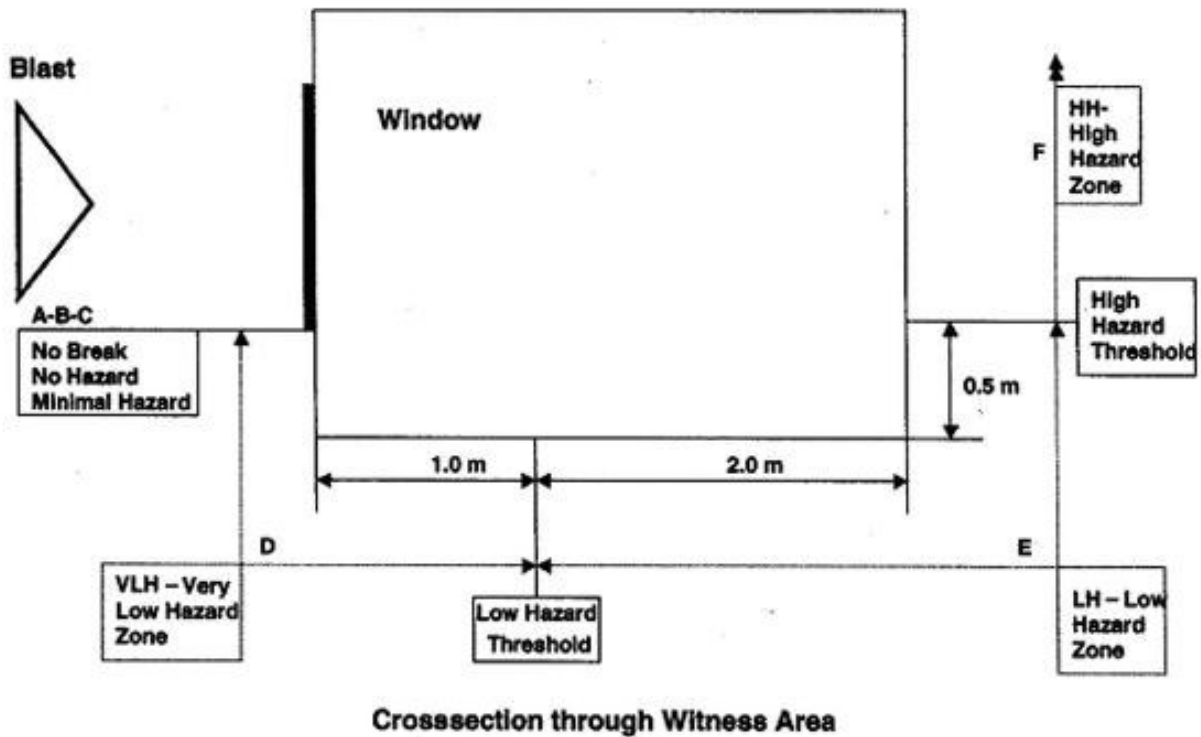
Max Positive Overpressure	+29kPa
Max Positive Impulse	+305 kPams <sup>-1</sup>
Result ISO/DIS16933/HOSDB	Hazard rating A — 'No Break'
Result GSA PBS-P100	GSA1 Protection level safe — Hazard level none

## Test Number 1—Cubicle #2 measurements & results

Max Positive Overpressure	+37kPa
Max Positive Impulse	+370 kPams <sup>-1</sup>
Result ISO/DIS16933/HOSDB	Hazard rating A — 'No Break'
Result GSA PBS-P100	GSA1 Protection level safe — Hazard level none

## Test Number 2—Cubicle #2 measurements & results

Max Positive Overpressure	+133kPa
Max Positive Impulse	+650 kPams <sup>-1</sup>
Result ISO/DIS16933/HOSDB	EVX19/Hazard rating D — 'Very low hazard'
Result GSA PBS-P100	GSA3b Protection level High — Hazard level low



Classifications of test results can be summarised in the above diagram. This illustrates a typical installation of a glazing system with the indicated hazard zones according to US, European & UK specifications. The exact protection level required on a particular project requirement, would be determined by the nominated security consultant within a countermeasure design study.

