Fleet Service are able to fit a range of impact resistant and anti-bandit glass in vehicle windows.

All windows are compliant with ECE R43: headform test, light transmission, optical distortion, long term stability, resistance to chemicals, to abrasion, to fire and to climate changes.

FSG1001

Resistance to several impacts, with small stones thrown from a distance on a parked vehicle.

Tested to **ECE R4** and **EN356 Level P1A:** 3 impacts (in triangle) of 60 joules each with a 4kg steel ball dropped from 1.5m high.

Protection level equivalent to a standard laminated windscreen.

Sidelights, approximate weight: 11.5 kg/m^2, nominal thickness 5mm. Windscreen, approximate weight: 13.5 kg/m^2, nominal thickness 6mm.

FSG1002

Resistance to most objects (stones, hammer…) thrown towards a stationary vehicle. Optional anti-spall and Molotov Cocktail protection.

Tested to **ECE R4** and **EN356 Level P2A:** 3 impacts (in triangle) of 120 joules each with a 4kg steel ball dropped from 3m high.

Sidelights, approximate weight: 12 kg/m^2, nominal thickness 5mm. Windscreen, approximate weight: 13.5 kg/m^2, nominal thickness 6mm.

FSG1005

Resistance to strong impacts on vehicle in motion. Direct attack with bricks, hammer or any other light tools. Optional anti-spall and Molotov Cocktail resistance. (Anti bandit)

Tested to **ECE R4** and **EN356 Level P5A:** 9 impacts of 360 joules (3×3 in triangle) with

a 4kg steel ball dropped from 9m high.

Sidelights, approximate weight: 15 kg/m^2, nominal thickness 7mm. Windscreen, approximate weight: 14.5 kg/m^2, nominal thickness 7mm.

FSG1009

Resists severe and direct attacks with stones, sharp tools (axe, crowbar), catapult (steel bolt), small arms fire .22LR during riots. Optional non-splitting and Molotov Cocktail resistance

Sidelights, approximate weight: 19.5 kg/m^2, nominal thickness 9.5mm. Windscreen, approximate weight: 19 to 22 kg/m^2, nominal thickness 9 to 12mm.

Tested to **ECE R4** and **EN356 Level P5A:** 3.5kg arrow shaped steel impactor dropped from 3.5m high. Glass must resist to 6 impacts at the same place of 120 joules each. Similar test: 4 impacts from 7m high (4 x 240 joules) Hemispherical impactor : 2 x 700 joules at the same place. EN1063-BR1: 3 shots of a bullet calibre .22LR (windscreen)

Ballistic protection

Available at various levels of protection - contact us with requirements.

POLYCARBONATE SOLUTIONS

We are now able to answer all your needs: clear or colored, flat or curved (cylindrical or double curve), with or without silk print or coating. Our experience has enabled us to select the best products to ensure compatibility between polycarbonate, silk print, anti-scratch coating and the gluing system, guaranteeing the mechanical performance of our glazing in the long term. Our polycarbonate range goes from monolithic solutions to more complex laminated configurations.



person, person



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