

## APPROVED EQUIPMENT

### DEFINITIONS:

#### Safety Glass and Safety Glazing Materials:

Abstracted from the Z26.1-1990 Glazing Standard adopted by the American National Standards Institute, Inc., and Federal Motor Vehicle Safety Standard #205.

- AS1 - Approved safety glazing material for use anywhere in a motor vehicle.
- AS2 - Approved safety glazing material for use anywhere in a motor vehicle except windshield.
- AS3 - Approved safety glazing material for use anywhere in a motor vehicle except windshields and certain specified locations.
  - a. Windows to the immediate right and left of the driver of any bus, truck or truck tractor.
  - b. The rearmost window of any bus, truck or truck tractor if used for driving visibility.
  - c. All windows, including the rear window, all partitions and all apertures created for window purposes in any passenger automobile or taxicab.
- AS4 - Approved safety glazing material for use in a motor vehicle only in specific locations.
  - a. Interior partitions and auxiliary wind deflectors.
  - b. Folding doors.
  - c. Standee windows in buses.
  - d. Flexible curtains or readily removable windows or in ventilators used in conjunction with readily removable windows.
  - e. Openings in the roof not requisite for driving visibility.
  - f. Trailers.
  - g. Glazing to the rear of the driver in trucks or truck tractor cabs where other means of affording visibility of the highway to the side and rear of the vehicle are provided.
  - h. The rear windows of convertible passenger car tops.
  - i. The rear doors of taxicabs.
  - j. The rear windows of buses having a GVWR of more than 10,000 lb (4540 kg), which shall include pushout windows and windows mounted in emergency exits that can be manually pushed out of their location without the use of tools, regardless of whether such windows remained hinged on one edge.
  - k. Windows and doors in motorhomes, except for the windshields and windows to the immediate right or left of the driver.

- l. Windows and doors in slide-in campers and pick-up covers.
  - m. Windows and doors in buses except for the windshield, windows to the immediate right or left of the driver, and rearmost windows if used for driving visibility.
- AS5 - Approved safety glazing material for use in a motor vehicle only in specific locations at levels not requisite for driving visibility.
- a. Interior partitions and auxiliary wind deflectors.
  - b. Folding doors.
  - c. Standee windows in buses.
  - d. Flexible curtains or readily removable windows or in ventilators used in conjunction with readily removable windows.
  - e. Openings in the roof not requisite for driving visibility.
  - f. Trailers.
  - g. Glazing to the rear of the driver in trucks or truck tractor cabs where other means of affording visibility of the highway to the side and rear of the vehicle are provided.
  - h. The rear windows of convertible passenger car tops.
  - i. The rear doors of taxicabs.
  - j. The rear windows of buses having a GVWR of more than 10,000 lb (4540 kg), which shall include pushout windows and windows mounted in emergency exits that can be manually pushed out of their location without the use of tools, regardless of whether such windows remained hinged on one edge.
  - k. Windows and doors in motorhomes, except for the windshields and windows to the immediate right or left of the driver.
  - l. Windows and doors in slide-in campers and pick-up covers.
  - m. Windows and doors in buses except for the windshield, windows to the immediate right or left of the driver, and rearmost windows if used for driving visibility.
  - n. For AS5, Safety Glass Only: Motorcycle windscreens below the intersection of a horizontal plane 15 inches vertically above the lowest seating position.
- AS6 - Approved safety glazing material for use only in trailers, spare multi-purpose passenger vehicles, slide-in campers, pickup covers designed to carry persons while in motion, motor homes, in the rear window of convertible passenger car tops, in windscreens for motorcycles, in flexible curtains or readily removable windows, or in ventilators used in conjunction with readily removable windows. AS6 glazing may be used only in the following specific locations:
- a. Trailers.
  - b. The rear windows of convertible passenger car tops.

- c. Windscreens for motorcycles.
  - d. Flexible curtains or readily removable windows or in ventilators used in conjunction with readily removable windows.
  - e. Windows and doors in motorhomes, except for the windshield, forward-facing windows, and windows to the immediate right or left of the driver.
  - f. Windows, except forward-facing windows, and doors in slide-in campers and pick-up covers.
- AS7 - Approved safety glazing material for use only in house or property carrying trailers and at levels not requisite for driving visibility in the following specific locations:
- a. The rear windows of convertible passenger car tops.
  - b. Windscreens for motorcycles.
  - c. Flexible curtains or readily removable windows or in ventilators used in conjunction with readily removable windows.
  - d. Windows and doors in motorhomes, except for the windshield, forward-facing windows, and windows to the immediate right or left of the driver.
  - e. Windows, except forward-facing windows, and doors in slide-in campers and pick-up trucks.
  - f. Standee windows in buses.
  - g. Interior partitions.
  - h. Openings in the roof.
- AS8 - Approved safety glazing material for use only in the following specific locations:
- a. Folding doors.
  - b. Standee windows in buses.
  - c. Trailers.
  - d. Rear of driver in trucks and truck tractors.
  - e. Rearmost windows in buses.
  - f. Windows and doors in motorhomes, except for the windshield and windows to the immediate right or left of the driver.
  - g. Windows and doors in slide-in campers and pick-up covers.
- AS9 - Approved safety glazing material for use only in house or property carrying trailers, standee windows in buses, and at levels not requisite for driving visibility in the following specific locations.
- a. Folding doors.

- b. Rear of driver in trucks and truck tractors.
  - c. Rearmost windows in buses.
  - d. Windows and doors in motorhomes, except for the windshield and windows to the immediate right or left of the driver.
  - e. Windows and doors in slide-in campers and pick-up covers.
- AS10 - Approved safety glazing material for use where bullet resistance is required anywhere in a motor vehicle.
- AS11A - Approved safety glazing material for use where bullet resistance is required anywhere in a motor vehicle except windshields.
- AS11B - Approved safety glazing material for use where bullet resistance is required anywhere in a motor vehicle except:
- a. Windshields.
  - b. Windows to the immediate right or left of the driver.
  - c. In the rearmost window if used for driving visibility.
- AS11C - Approved safety glazing materials for use in bullet resistance shields that can be easily removed for cleaning and maintenance. These shields may only be used at levels requisite for driving visibility if the combined luminous transmittance through both the shield and the permanent vehicle glazing is at least 60 percent.
- AS12 - Approved safety plastic materials for use in a motor vehicle in the following specific locations at levels not requisite for driving visibility:
- a. Windows and doors in slide-in campers and pick-up covers.
  - b. Motorcycle windscreens below the intersection of a horizontal plane 15-inches above the lowest seating position.
  - c. Standee windows in buses.
  - d. Interior partitions.
  - e. Openings in the roof.
  - f. Flexible curtains or readily removable windows or in ventilators used in conjunction with readily removable windows.
  - g. Windows and doors in motor homes, except for the windshield and windows to the immediate right or left of the driver.
  - h. Windows and doors in buses except for the windshield and windows to the right and left of the driver.
- AS13 - Approved safety plastic materials for use in a motor vehicle in the following specific locations at levels not requisite for driving visibility:

- a. Windows, except forward-facing windows, and doors in slide-in campers and pickup covers.
  - b. Motorcycle windscreens below the intersection of a horizontal plane 15-inches vertically above the lowest seating position.
  - c. Standee windows in buses.
  - d. Interior partitions.
  - e. Openings in the roof.
  - f. Flexible curtains or readily removable windows or in ventilators used in conjunction with readily removable windows.
  - g. Windows and doors in motor homes, except for the windshield, forward-facing windows, and windows to the immediate right or left of the driver.
- AS14 - Approved glass - plastic materials may be used anywhere in a motor vehicle except the windshields of any of the following vehicles.
- a. Convertibles.
  - b. Vehicles that have no roof.
  - c. Vehicles whose roofs are completely removable.
- AS15A - Approved annealed glass - plastic for use anywhere in a vehicle except the windshield.
- AS16A - Approved annealed glass - plastic for use anywhere in a motor vehicle not requisite for driving visibility.
- AS16B - Approved tempered glass - plastic for use in a motor vehicle in all locations not requisite for driving visibility.