

# CLEAR SAFETY AT CLOSE DISTANCE

## CASE HISTORY



### APPLICATION

L-Shaped safety passenger compartment partitions.

### KEY CHALLENGES

Meet infection control regulations in the passenger compartment of personal transportation vehicles without loss of seating space or obstructing all-round visibility.

### MARKET

Automotive Interior accessories.

### SOLUTION

High-impact, chemical and abrasion resistant LEXAN™ MARGARD™ MR5E polycarbonate sheet from SABIC's Functional Forms business unit.

### RESULTS

LEXAN™ MARGARD™ MR5E sheet delivers all the instrumental characteristics to implement this innovative application:

- ✓ High Impact strength
- ✓ Excellent light transmission
- ✓ Abrasion resistance
- ✓ Easy to install
- ✓ Flame retardant
- ✓ Easy to clean & disinfect
- ✓ Chemical resistance
- ✓ Lightweight
- ✓ Graffiti resistance

## CHALLENGES

In smaller personal transportation vehicles, such as taxi cabs, there is no space for meters of distancing to minimize the spread of potentially infectious aerosols produced by passengers. Commercial operators who want to prevent being closed down by health authorities need to protect their drivers against the risk of infection by means of physical dividers or partitions. Ideally, however, these measures should not restrict the seating options for passengers, including the co-driver seat.

For an appropriate 'L' shaped partition to separate the driver from the remaining passenger compartment, Focaccia Group was seeking a transparent sheet material that would lend itself to aesthetic design, ensure maximum all-round visibility and withstand all the tear and wear in this highly frequented environment. Moreover, the creative solution required a lightweight material to enable quick installation and removal. Another key precondition to be met was ease of cleaning and disinfection.

## SOLUTION & RESULTS

Focaccia Group's 'L' shaped vehicle partition – called the 'Elle Corona Stopper' – consists of two custom-made rigid panels and a single vertical clamp support. It is the first of its kind and combines effective infection protection with high clarity, durability and excellent handling. The clear transparency of the polycarbonate sheet ensures unrestricted all-round visibility.

While enclosing only the driver's space rather than separating both front seats from the rear, the partition does neither obstruct the driver nor interfere with other important interior equipment, such as the rearview mirror, seat belt systems, airbags or headrests. Thanks to its light weight, the partition can easily be installed and removed within minutes and without damaging the car, which also facilitates regular complete disinfection. This makes it an ideal solution for minimizing the risk of infection in taxi cabs and other smaller vehicles for personal passenger transportation



### FOR MORE INFORMATION

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