



# CONSPICUITY TAPE

Create a clear and different visibility  
of the vehicle than before.  
To ensure safety on the road

Compliance with regulations and guidelines, 3M offers local technical and regulatory support, helping you to comply with regulations and guidelines set out in Thailand roadway legislation, whilst providing guidance for correct application.

Studies and field tests conducted over a 10 year period show that well marked vehicles are 30 times less likely to be involved in road traffic accidents, compared with unmarked ones.<sup>2</sup>

Retro-reflective conspicuity tapes for vehicles have become essential tools in increasing the visibility of vehicles and reducing roadway casualties. The 3M range of vehicle conspicuity tapes using allows vehicles to be seen up to nine seconds earlier than unmarked vehicles, allowing for considerably longer reaction times.<sup>3</sup> In addition, they are highly durable, easy to apply, and meet or exceed regulations and guidelines set out in UK roadway legislation.

## DESCRIPTION

Reflective strip product group Using high-quality 3M™ microprism technology, it is designed to increase visibility to the sides and rear of vehicles. These reflective tapes and strips provide bright, clear-reflections at a wide angle. Almost 90 degrees from the perpendicular This ensures that your vehicle remains visible.

Can be seen clearly during the day, at night and in bad weather. The properties of our reflective tapes and stripes exceed NHTSA and ECE104 requirements and are DOT certified to ensure compliance with industry standards.



40 percent of collisions occur in the hours of darkness according to research by the Department for Transport, road casualty statistics show that 40 percent of collisions occur in the hours of darkness. Retro-reflective ECE104 vehicle conspicuity tapes have become vital tools in increasing the visibility of larger vehicles on the road at night and in poor weather conditions.

The 3M™ range of ECE104 Approved Tapes clearly outline the rear, sides and front of the vehicle. A marked HGV may be seen up to nine seconds earlier than an unmarked one, allowing for considerably longer reaction times.

## ECE104 RECOMMENDED COLOURS

Position on vehicle	Colours
Front	Yellow
Sides	Yellow or white
Rear	Red or yellow

Full contour markings



Partial contour markings



Contour markings should cover at least 80 per cent of the total length and width of the vehicle or trailer should be as close as practicable to the edges. There are two contour options available: full contour markings, or partial contour markings, the latter being the minimum requirement.

# STAMARK TAPE

3M™ STAMARK™  
HIGH PERFORMANCE  
ALL WEATHER TAPE

3M™ Stamark™ High Performance All Weather Tape Series 380AW (“Tape”) is a durable pavement marking tape that is highly retroreflective under both wet and dry conditions. The Tape utilizes specially designed optics to provide wet and dry performance. The Tape can be used as an inlay marking on new asphalt or as an overlay marking on most asphalt and concrete pavement surfaces in good condition.



380i ES White



381i ES Yellow

## SPECIFICATION

### Properties for Stamark

Color	- White and yellow according to standard traffic line colors.
Material	- The structure is made from a mixture of colorants. High quality polymer chemical material composition - There are reflective glass beads inside the tape. Coated with polyurethane for strength and durability
Plexiglass bead type	- Microcrystalline ceramic beads - There is a clear color for the white reflective traffic lines and there is yellow for the yellow reflective traffic lines. So that the traffic lines can be seen in the same color both during the day and at night.
Thickness	- About 1.6mm
Surface condition	- Asphalt or Concrete
Reflected Luminance At the angle 1.05°/ 88.76°	- White color = 500 millicandela / square meter / lux - Yellow color = 300 millicandela / square meter / lux
Installation	- Self-adhesive tape. Can be attached directly to the road surface.
Installation time	- Easy, Fast, no need to wait, traffic can be opened immediately.
Service life	- About 2-4 years (It may vary from road factors, vehicles, and driver behaviors)

