

## 3M Reflective Tape Selector Guide

In addition to helping save lives, conspicuity markings can help save money too.

While the safety benefits of conspicuity markings on heavy vehicles are easy to see, it is also worth noting how those crash reductions translate into economic value. While most studies rightly focus and report primarily on the number of injuries and fatalities prevented, the associated reduction in costs for healthcare and the replacement of damaged property can further justify the investment in retroreflective marking solutions and ultimately improve the bottom line.

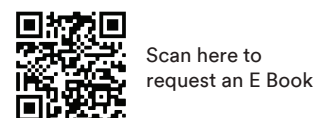
3M Code	Product Code	Colour	Size	UN/ECE 104 identification markings	Edge Sealed	Suitable for curtain sides	Suitable for rear of tankers	Suitable for mining and site construction vehicles
XA010030600	983-10	White	53.5mm x 50m	✓	✓			
XA010012616	983-10	White	50.8mm x 45.7m		✓			
AR010596575	983-10	White	50.8mm x 15m		✓			
AR010613594	983-10	White	50.8mm x 3m		✓			
XA010030618	983-71	Yellow	53.5mm x 50m	✓	✓			
XA010007269	983-71	Yellow	50.8mm x 45.7m		✓			
AR010613602	983-71	Yellow	50.8mm x 3m		✓			
75030287355	983-21	Fluorescent Yellow	53.5mm x 50m	✓	✓			
XA010013911	983-23	Fluoro Yellow/Green	101mm x 45.7m		✓			✓
XA010017680	983-23	Fluoro Yellow/Green	76mm x 45.7m		✓			✓
XA010013309	983-23	Fluoro Yellow/Green	50.8mm x 45.7m		✓			✓
AR010602308	983-23	Flouro Yellow/Green	76mm x 15m		✓			✓
AR010602290	983-23	Flouro Yellow/Green	50.8mm x 15m		✓			✓
AR010613628	983-23	Flouro Yellow/Green	50.8mm x 3m		✓			✓
XA010030626	983-72	Red	53.5mm x 50m	✓	✓			
XA010012632	983-72	Red	50.8mm x 45.7m		✓			
AR010596591	983-72	Red	50.8mm x 15m		✓			
AR010613610	983-72	Red	50.8mm x 3m		✓			
DR123047216	957S-10 segmented	White	51mm x 50m	✓	✓	✓		
DR123047224	957S-71 segmented	Yellow	51mm x 50m	✓	✓	✓		
DR123047232	957S-72 segmented	Red	51mm x 50m	✓	✓	✓		
DR995032494	983-10S tanker oval	White	52mm x 45.7m	✓	✓		✓	
DR995032502	983-72S tanker oval	Red	52mm x 45.7m	✓	✓		✓	



### Colour Guide for Heavy Vehicles

Location on vehicle	Colour(s) Permitted
Front	White
Sides	Yellow, White or Fluorescent Yellow
Rear	Red or Yellow

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**3M** Science.  
 Applied to Life.™

## Safety you can see.

### 3M™ Vehicle Visibility Reference guide.

When trucks, trailers and other large commercial vehicles are more reflective, they're easier for other drivers to see at a distance. Help increase the visibility and safety of your vehicles and minimise down time with 3M™ Diamond Grade™ Reflective Tape. In doing so you will be reducing the chance of an accident by up to 30 times<sup>1</sup>.

### ECE104 regulation explained

ECE104 is a regulation that establishes guidelines for the use of retro-reflective safety markings on heavy goods vehicles operating throughout Australia and New Zealand.

**Australia:** Retro Reflective markings are recommended by Australian Design Rule 13/00 for Vehicle Standards and under the ATA Industry Technical Advisory Procedure for Heavy Vehicle Visibility.

**New Zealand:** Retro Reflective markings recommended by NZTA under "Land Transport Rule: Vehicle Lighting".



### Required Vehicles:

- ▶ Trailers with Gross Vehicle Weight over 3,500 kg.
- ▶ Goods vehicles and trailers over 6 m long and over 2.1 m wide.



### 983 Series

#### 3M Diamond Grade™ Reflective Tape

For applications on rigid-sided vehicles.

- ▶ Eight years expected lifetime



### 957S Series

#### 3M Diamond Grade™ Reflective Tape Segmented

For applications on soft-sided vehicles such as curtain-sides.

- ▶ Three years expected lifetime



### 983S Series

#### 3M Diamond Grade™ Reflective Oval Tape

For applications on tanker vehicles.

- ▶ Five years expected lifetime

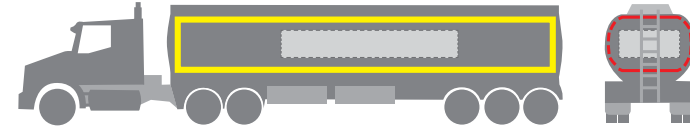


1. Prof. Dr. -Ing. H.-J.Schmidt-Clausen, Laboratory of Lighting Technology, Darmstadt University of Technology: Contour Marking of Vehicles, Final Report FO 76/00. 2. Darmstadt University of Technology. Report. 2000.

# Reflective Tape Application Guide

## Recommended Layout - Full Contour

Reflective tape is applied as close as possible to the edge of the vehicle to form a continuous line, depicting the outline of the vehicle. This provides maximum visibility to other road users and is best practice.



## Partial Contour

A single strip of retroreflective tape is applied along each side and the rear of the body or trailer, with 'L' shape sections 0.5m long in each corner.



Colour guide for heavy vehicles	
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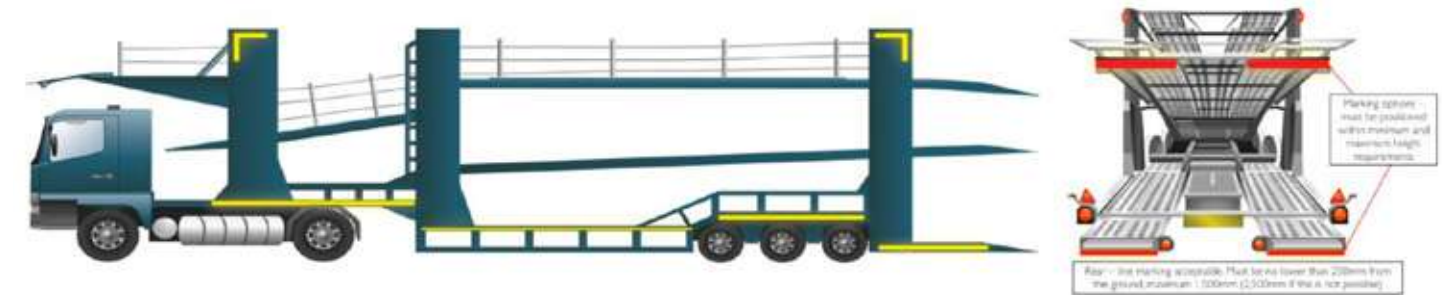
## Tanker



## Concrete Mixer



## Car Carrier



## Skip Loader



## Rubbish Truck



## Rigid with tray

