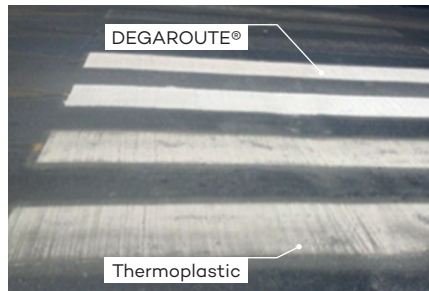
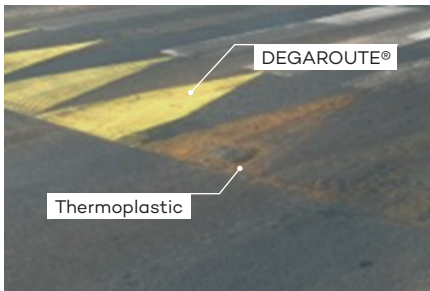
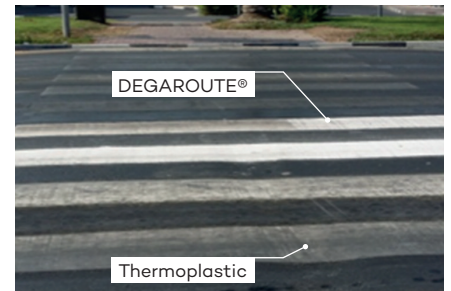


# ANTI-BLACKENING ROAD MARKINGS

## DUBAI, UAE



After 11 hours



After 90 days

### PROJECT OBJECTIVE

Climate and environment are tough conditions for road markings in the Middle East. The sand, oil and hot temperatures typically cause road markings to blacken quickly.

The Roads & Transport Authority (RTA) in Dubai was looking for a solution to reduce the dirt pick-up of road markings aiming at providing clean, visible and safe markings. Therefore, the authority started a field

test to compare the performance of anti-blackening cold plastic road markings with thermoplastic.

The yellow triangles are commonly applied in Dubai in front of crosswalks. Cold plastic with anti-dirt pick-up effect and thermoplastic were applied at the same time. Within a short period of time the thermoplastic turned black and after a few months cracked and partially worn, while the cold plastic remained

completely intact and clearly visible. Therefore, the local authority chose DEGAROUTE® based cold plastic MMA markings with anti-blackening capabilities for the application of the yellow triangular humps on Cairo Street.

Anti-blackening technology can also be used for line markings, zebra crossings, legends and all other kind of area markings.

SITE		APPLICATION	
COUNTRY	United Arab Emirates	SYSTEM	Two layer system with anti-blackening
LOCATION	Dubai	SURFACE	Existing asphalt
ROAD	Cairo Street	PREPARATION	Shot-blasting to clean the surface
APPLICATION DATE	April 2014	EQUIPMENT	Manually: drawbox and roller

### PERFORMANCE

- DEGAROUTE® based markings with anti-blackening remained more yellow, cleaner and more visible
- Thermoplastic markings picked-up dirt after a few hours

