TOLL LANE AREA MARKING
OSAKA, JAPAN

DEGAROUTE® based marking after 5 years

DEGAROUTE® based marking after 1 year

Epoxy markings after 1 year

PROJECT OBJECTIVE
Electronic toll collections (ETCs) must be well marked to slow down traffic and guide vehicles to the correct lanes. Moreover, these markings must maintain high durability as they are crossed by thousands of vehicles daily.

The toll gate at the Isumisano Interchange in Osaka was marked with a DEGAROUTE® based cold plastic MMA area marking. To demonstrate its superior durability compared to other systems, an epoxy based area marking was applied next to it.

SITE		APPLICATION	
COUNTRY	Japan	SYSTEM	Two-layer colored area marking
LOCATION	Osaka	SURFACE	Asphalt and concrete
ROAD	Isumisano Interchange	EQUIPMENT	Manual (rake)
APPLICATION DATE	September 2005	PRIMER	For concrete surface: DEGALAN®
		BASE-COAT	Based on DEGAROUTE®
		TOP-COAT	Based on DEGAROUTE®
		ANTI-SKID MATERIAL	Colored Ceramic
		THICKNESS	3 mm (118 mils)

PERFORMANCE

- Very good durability, skid resistance, color stability, as well as adhesion – both to asphalt and concrete
- Average daily traffic (ADT): 9,000 vehicles
- The DEGAROUTE® based marking is still in good shape after 5 ½ years
- Epoxy markings at the same toll gate show strong adhesion problems on concrete, they are already in bad shape after 1 year and have to be re-coated