

SCHOOL ZONES THAILAND

PROJECT OBJECTIVE

The Department of Rural Roads (DRR), Thailand, began their road safety pilot project at Nonthaburi province in 2013 to improve the children’s safety in school-zone areas. Colored anti-skid rumble stripes, edge lines and pedestrian crossings based on MMA cold plastic road markings have successfully raised awareness of traffic participants.

Since its implementation in 2013, DRR has been monitoring the accident rates, anti-skid performance and the conditions of their road safety materials.

Until mid of 2017, zero accidents have been counted and the cold plastic road markings remain durable and functional even after 4 years without any maintenance required.

With such a successful outcome of the project, this innovative, sustainable and environmentally-friendly solution has already been applied countrywide across more than 700 schools, and will be extended to 3,000 rural schools in the near future.



SITE		APPLICATION	
COUNTRY	Thailand	SYSTEM	Cold plastic agglomerate markings
LOCATION	School Zones	APPLICATION TECHNIQUE	Manual
APPLICATION DATE	2013 – today	SURFACE	Asphalt
		SURFACE PREPARATION	Existing asphalt
		AGGREGATE SIZE	1 – 2 mm (39 – 79 mils)
		AGGREGATES CONSUMPTION	3 to 4 kg/m ²

PERFORMANCE

- Zero accidents since installation in 2013
- MMA based cold plastic road markings remain durable and functional even after 3 years, with no maintenance required

