



Highly retroreflective marking system applicable on all vehicle restraint systems



# Everybody faces these kind of situations





# HIGHLY RETROREFLECTIVE MARKING SYSTEM APPLICABLE ON ALL VEHICLE RESTRAINT SYSTEMS What is ULTRAGUARD™?

ULTRAGUARD™ is a combination of a specially formulated water-based paint and high-reflective glass beads that can be applied vertically to all type of road restraint systems (guardrails, concrete barriers, mobile safety barriers, etc.).

ULTRAGUARD™ provides a glare-free, three-dimensional, continuous perception of the roadway, like an Ariane's thread, guiding road users in darkness and in bad weather, thus ensuring, better safety.

The innovative application trolley is a unique and patented device (EN 2.342.292) and can be installed on any type of road restraint system.

It allows the simultaneous application of paint and glass beads. The trolley can be connected to all marking machines on the market.

ULTRAGUARD™ has been developed to be used in addition of the road markings to give the driver a full perception of the road.

An exclusive partnership between Potters and SOLOSAR.







ULTRAGUARD™ in numbers

+/- 2 to 3 km/h

This is the possible output of ULTRAGUARD™ per hour of application.

# ULTRAGUARD™ A HIGH-PERFORMANCE SYSTEM THAT IS EASY TO USE

#### A SUCCESSFUL COMBINATION



- Designed exclusively for vertical marking
- Suitable for all marking machines
- Adaptable to any height or surface type
- Quick and easy installation and cleaning



- High performance water-based paint
- Very strong grip to a variety of surfaces
- Designed to be applied to vertical surfaces without sinking. Drying time between 5 and 10 minutes: 5 minutes will be set to touch
- Easy and fast to apply from 5° C
- Formulated for long lasting effectiveness



- index glass beads
- Also used for airport markings
- Formulated to be up to three times more reflective than glass beads used in road markings.
- A granulometry in accordance with EN 1423 and with a refractive index class C according to EN 1436





1.9

This is the refractive index of the glass microbeads, which increases the reaction time on the road and warns users of danger. The retroreflection is about 1200 mcd/lx/m<sup>2</sup>.

# ULTRAGUARD™ A SYSTEM WITH A NUMEROUS OF ADVANTAGES

### Increased reaction time

It allows drivers to increase their reaction time to obstacles and dangerous driving conditions.

## **Increased guidance efficiency**

Guides drivers more effectively through changes in road direction or curves.

# WHY CHOOSE ULTRAGUARDTM?

### 0 accidents = operational savings

ULTRAGUARD™ makes barriers highly visible to road users in all weather conditions. With a reduction in accidents, there is no need to frequently replace road restraint systems. Interventions are limited and the cost is reduced.

#### **High visibility**

It allows high visibility of curves, central islands, construction sites, tunnels, unlit roads and especially in adverse weather conditions.

#### Non-polluting

Avoids the phenomenon of light pollution (no lighting columns, no upward reflection of light, no disturbance of the human sleep cycle or insects cycle).

#### **Durability**

ULTRAGUARD™ is a low profile marking protected from the wear and tear experienced by road marking.

The glass beads protect the paint and increase the durability of the marking.



# ULTRAGUARD™ VERTICAL APPLICATION ON ALL TYPES OF SYSTEMS

#### THE BEST ALTERNATIVE TO GUIDE ROAD USERS.

ULTRAGUARD™ is a high visibility system applied in dry weather from 5° C. It allows a better definition of the 3D geometry of the road, day and night, particularly, in difficult weather conditions.

Its applications are possible on a variety of road restraint systems: steel crash barriers, concrete barriers, low walls, etc.

Don't hesitate to contact us for all your projects!

#### ✓ RANGE OF APPLICATIONS:



## ULTRAGUARD™ A REAL INNOVATION FOR ROAD SAFETY

#### THE BEST ALTERNATIVE TO GUIDE ROAD USERS.

ULTRAGUARD<sup>TM</sup> allows road users to be guided in all weather conditions: fog, rain, snow. ULTRAGUARD<sup>TM</sup> maintains its effectiveness and durability over time.

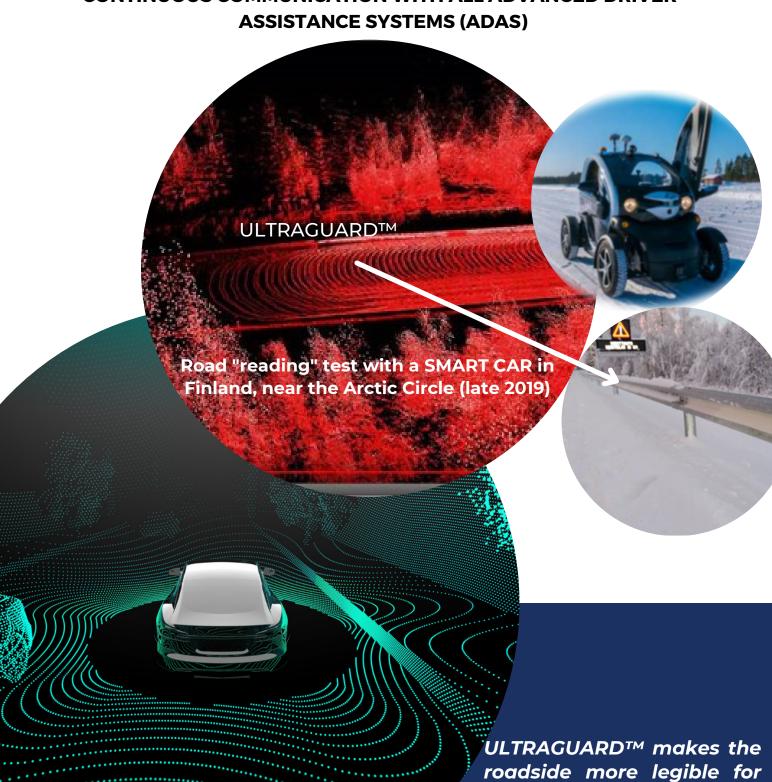


year above 25 %.

between October 2014 and April 2016.

#### **ULTRAGUARD<sup>TM</sup>** A REAL INNOVATION FOR SMART AND **AUTONOMOUS VEHICLES**

CONTINUOUS COMMUNICATION WITH ALL ADVANCED DRIVER-



SMART CARS

## ULTRAGUARD™ INDUSTRIAL APPLICATION IN YOUR FACTORY



Would you like to equip your restraint systems with ULTRAGUARD™ at the factory? It's possible!

Don't hesitate to contact us

## **ULTRAGUARD**<sup>™</sup>

SOLOSAR and POTTERS also offer a supply and installation service: your project is unique, let's talk!







For us, your project is unique.

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