

Rain Zef

ROAD MARKING RETRO-REFLECTIVE ELEMENT

Description

Rain Zef is a high-performance, cast-applied retro-reflective bead engineered to enhance the visibility of road markings under wet and rainy conditions. It is specifically designed to maintain brightness and contrast when the road surface is covered by water, significantly improving safety for human drivers and detection systems used in lane departure warnings, machine vision, and autonomous vehicle navigation.

Area of Use:

- Highways and bridges in regions with frequent rainfall
- Airport runways requiring enhanced wet-night visibility
- Optimized for use with waterborne traffic paints and PMMA cold plastic marking systems

Coverage:

- 0.4 kg per square meter.

Application:

- Broadcast on road marking while binder is still wet.

Technical Information:

Properties	Result		
Color	White, Yellow		
Consumption	0.4 kg/sqm		
Items	Value	Unit	Test Method
Reflectivity Index	1.9		TISI 543-2550
Night Time Reflectivity (RL), EN 1436 class R5, White Color	>500	mcd/m ² /lux	ASTM E1710
Night Time Reflectivity (RL), EN 1436 class R5, Yellow Color	>300	mcd/m ² /lux	ASTM E1710
Wet Reflectivity (RLwet), EN 1436 class W3, White Color	>150	mcd/m ² /lux	ASTM E2177
Wet Reflectivity (RLwet), EN 1436 class W3, Yellow Color	>100	mcd/m ² /lux	ASTM E2177
Crushing Resistance	Yes	>700 MPa	ASTM D1213
Contamination	<50 / g	>700 MPa	TISI 543-2550
Particle Size Distribution	40-60	micron	TISI 543-2550
Spherical (% Roundness)	>80%		ASTM D1155
Moisture Resistance Coating	Pass		TISI 543-2550
Water Resistance	Pass		TISI 543-2550

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Packing:

- 25 kg/bag

Storage:

- Maximum 1 year in sealed container kept under shed area

Health & Safety Precautions:

- Protective clothing such as masks, gloves, and goggles should be worn.
- Treat any contact to the skin or eyes with fresh water immediately.
- Should any of the products be accidentally swallowed, do not induce vomiting but call for medical assistance immediately.

Disclaimer

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