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Product Catalog

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PRODUCT DATA SHEET

LUDWAY PL5000

Reflective Pavement Marking Tape

PL5000 reflective pavement marking tape is pre-made with synthetic rubber. It has high tensile strength with the surface coated with 1.5 index glass-beads that has good retro-reflectivity. With high performance coatings on the tape, it has a strong anti-friction ability. The bottom is coated with a strong and weather resistant adhesive which improves the adhesion between road and tape. It makes the tape firmly stuck on roads. PL5000 reflective pavement marking tape has not only a good retro-reflectivity, but also has an easy application advantage than ordinary road signs.

Features

Good retro-reflectivity all day long ; anti-skid ; high tensile ; strong weather resistance ; easy application; Pre-cut symbols and legends—standard and custom

Application

It can be used for road signs; letters; arrows; graphics; warnings at port, airport, toll, parking lot etc. Pre-cut symbols and legends—standard and custom.

Property

Items	Values		Units	Test Methods
Color	PL5001/W	PL5002/Y	---	---
Overall Thickness	1.4	1.4	mm	ASTM-D-4325
Retroreflectivity	250	175	mcd·m-2lx-1	ASTM-D-4061
Adhesion	16	16	N/25mm	ASTM-D-1000
Skid Resistance	45	45	BPN	ASTM-E-303

Performance Life

The performance life of pavement markings will depend on the following:

- Traffic conditions
- Snow removal practices
- Pavement surfaces
- Application techniques

It is recommended that each customer thoroughly evaluate LUDWAY pavement marking tapes under the conditions in the specified location. While experience has shown that when properly applied, these materials are highly effective traffic control devices, LUDWAY Technologies makes no generalized performance claims.

Standard Dimension

- Standard length : 33m , 50m
- Standard width : 10cm, 15cm, 20cm, 40cm, 45cm; or according to customer's requirements.
- available color: white, yellow, red, blue, black,green

Application Methods

Inlay and overlay; Coated with P120 contact primer. The quantity can be 1kg per every 3-5m²of road tape on new roads. Actual amount depends on the situation of roads.

Shelf life

24 months in the first package under the condition of 23°C×65%RH.

Important Notice

The information, data and other statements are based on our testing results, the user should determine the suitability of the product for its intended use.

PRODUCT DATA SHEET

LUDWAY PL5010

Pavement Marking Tape

PL5010 pavement marking tape is pre-made with synthetic rubber. It has smooth surface without beads. The tape uses a high quality polyurethane topcoat with a special release coating to make it easy to clean up by water or wet mop. It has an ability of self-cleaning and non-stickiness to dust and mud. The bottom is coated with a strong and weather resistant adhesive which improves the adhesion between road and tape. It is more durable than traditional PVC marking tape.

Features

Smooth surface; high tensile; strong weather resistance; easy application; self-cleaning; Pre-cut symbols and legends— standard and custom

Application

It can be used for road marking in airport, shopping center, exhibition hall, workshop etc. It is applicable to various pavements of concrete, asphalt, cement, marble and walls.

Property

Items	Values		Units	Test Methods
Color	PL5011/W	PL5012/Y	---	---
Overall Thickness	1.0	1.0	mm	ASTM-D-4325
Adhesion	16	16	N/25mm	ASTM-D-1000
Adhesion	16	16	N/25mm	ASTM-D-1000
Water Resistant	Pass		---	GB/T24717

Performance Life

The performance life of pavement markings will depend on the following:

- Pavement surfaces
- Application techniques

It is recommended that each customer thoroughly evaluate LUDWAY pavement marking tapes under the conditions in the specified location. While experience has shown that when properly applied, these materials are highly effective traffic control devices, LUDWAY Technologies makes no generalized performance claims.

Standard Dimension

- Standard length : 33m , 50m
- Standard width : 5cm,10cm, 15cm, 20cm, or according to customer’s requirements.
- available color: white, yellow, red, blue, black, green
- with liner

Application Methods

Coated with P120 contact primer. The quantity can be 1kg per every 3-5m²of road tape on new roads. Actual amount depends on the situation of roads.

Shelf life

24 months in the first package under the condition of 23°C×65%RH.

Important Notice

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PRODUCT DATA SHEET

LUDWAY PL10000

Profiled Pavement Marking Tape

PL10000 series profiled pavement marking tape is highly reflective under both wet and dry conditions with a big block raised profile. The unique patterned construction combines technologies in beads, topcoats and adhesives. It is a conformable marking tape intended for lane and edge lines applications in highway work zones. It is a warning when you drive on the line. It is a solution to help drivers navigate work zones in all conditions.

Features

Highly reflective, wet or dry; Durable for normal work zone life, installs and removes easily; It is designed for use as long lines, edge lines, channelizing lines, gore markings, stop bars, cross walks, symbols and legends.

Property

Items	Values		Units	Test Methods
color	PL10001/W	PL10002/Y	---	---
Thickness at thin spots	1.6	1.6	mm	ASTM-D-4325
Thickness at thick spots	2.5	2.5	mm	ASTM-D-4325
Adhesion	20	20	N/25mm	ASTM-D-1000
Retroreflectivity	400	250	mcd·m-2lx-1	ASTM-D-4061

Performance Life

The performance life of pavement markings will depend on the following:

- Traffic conditions
- Snow removal practices
- Pavement surfaces
- Application techniques

It is recommended that each customer thoroughly evaluate LUDWAY Pavement Marking Tapes under the conditions in the specified location. While experience has shown that when properly applied, these materials are highly effective traffic control devices, LUDWAY Technologies makes no generalized performance claims.

Standard Dimension

- Standard length : 33m , 50m
- Standard width : 10cm, 15cm, 20cm, 40cm, 45cm; Or according to customer's requirement.
- available color: white, yellow

Application Methods

Inlay and overlay; Coated with P120 contact primer. The quantity can be 1kg per every3-5m²of road tape on new roads. Actual amount depends on the situation of roads.

Shelf life

24 months in the first package under the condition of 23°C×65%RH.

Important Notice

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PRODUCT DATA SHEET

LUDWAY PL10000

Profile Durable Pavement Marking Tape

PLU10000 consists of a uniquely designed round pattern which can provide same reflectance from every direction, also offers excellent drainage in rain weather. PLU10000 can be used as an inlay on new asphalt or surface applied on most pavement surfaces with bitumen or primer where high durability in the demanding applications of lane lines, edge lines intersections, cross walks, stop bars, symbols, and legends.

Features

- All weather visibility with maximum durability ; High skid resistance ; Easy application
- Round pattern presents a maximum reflectance from every direction
- Product design which provides increased visibility under wet road condition
- Coated with butyl rubber mastic adhesive on bottom which provide long durability

Properties:

PLU10000 meets requirements for traffic category: Type II, P7, also meets following categories according to DIN EN 1436:

Property	Condition as new	Value in use	
		PLU10001/W	PLU10002/Y
Skid Resistance	≥ S 1	S 3	S2
Night Visibility - Dry Road	R 5	R 3	R4
Night Visibility - Wet Road	RW 6	RW 3	RW6
Daytime Visibility	Q 5	Q 5	Q3
Color	Y2	---	Y2

Minimum requirements for resistance to wear and tear were met by 90% of the remaining area.

BAST-Approval Number: 2017 1DF 01.17 / 2017 1VF 01.18

Performance Life

The performance life of pavement markings will depend on the following:

- Traffic conditions
- Snow removal practices
- Pavement surfaces
- Application techniques

It is recommended that each customer thoroughly evaluate LUDWAY Pavement Marking Tapes under the conditions in the specified location. While experience has shown that when properly applied, these materials are highly effective traffic control devices, LUDWAY Technologies makes no generalized performance claims.

Standard Dimension

- Standard length : 50m
- Standard width : 15cm, 30cm

Application Methods

Inlay and overlay; Coated with P120 contact primer. The quantity can be 1kg per every3-5m²of road tape on new roads. Actual amount depends on the situation of roads.

Shelf life

24 months in the first package under the condition of 23°C×65%RH.

Important Notice

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PRODUCT DATA SHEET

LUDWAY PLU5002

Yellow Temporary Road Marking Tape

Temporary Removable Marking Tape PLU5002 is a conformable yellow colored marking material to be used in highway construction work zones. PLU5002 offers excellent retroreflectance due to a mixture of high quality super glass beads bonded to the polyurethane topcoat. The tape is coated with a pressure sensitive adhesive for easy, rapid application. PLU5002 helps drivers navigate work zones in all conditions.

Features

- extremely high visibility on dry and wet pavements ; High skid resistance; Easy application
- Road can be opened to traffic immediately after application
- Easy to remove intact or in large pieces

Properties

PLU5002 meets requirements for traffic category: Type II, P6, also meets following categories according to DIN EN 1436:

Property	Condition as new	Value in use
Skid Resistance	≥ S 1	S 2
Night Visibility – Dry Road	R 5	R 5
Night Visibility – Wet Road	RW 6	RW 6
Daytime Visibility	Q 3	Q 3
Color Coordinates	Y2	---

Minimum requirements for resistance to wear and tear were met by 90% of the remaining area.

BASt-Approval Number: 2015 1VF 09.17

Removability

The tape is removable from asphalt and cement concrete surfaces intact or in large pieces at temperatures above 32 °F (0 °C) without the use of heat, solvents, grinding, or sandblasting.

Use the following procedure:

1. Wear gloves and use a chisel-like tool to pry up the edge of the tape.
2. Pull straight up at a 90 ° angle to the pavement.
3. A small amount of heat may be used to help soften the adhesive when removing tape during cold weather conditions.

Note: Burning or grinding is not recommended.

Performance Life

The performance life of pavement markings will depend on the following:

- Traffic conditions
- Snow removal practices
- Pavement surfaces
- Application techniques

It is recommended that each customer thoroughly evaluate LUDWAY Pavement Marking Tapes under the conditions in the specified location. While experience has shown that when properly applied, these materials are highly effective traffic control devices, LUDWAY Technologies makes no generalized performance claims.

Standard Dimension

- Standard length : 100m
- Standard width : 15cm

Shelf life

24 months in the first package under the condition of 23°C×65%RH.

Important Notice

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Saving lives by making our roads brighter.™

North Sun Shine Road, Zhuozhou City, Hebei, China

T 0086-312-3833980 | F 0086-312-3833966