

# DM9600 Conspicuity marking tape for long and heavy vehicle



1, Introduction of DM9600

2, Comparison of ECE104 products

3, DM introduction and ISO certificate

---

# Introduction of DM9600

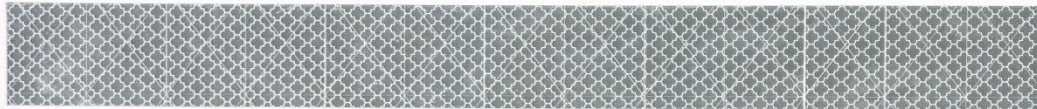
## Description

DM9600 conspicuity marking tape is a tough weather resistant product designed for rugged outdoor use. The material is intended for application as conspicuity marking on trucks and trailers with rigid sides.

## Product Construction

DM9600 conspicuity marking tape is composed of cube corner (microprism) retroreflective elements integrally bonded to a flexible, smooth-surfaced tough and weather resistant UV stabilized polymeric film. The prism surfaces are coated with a vacuum deposition of aluminium to provide a mirror surface to the prism facets. The resulting material is not more than 0,20 mm thick, and comes with an aggressive high-tack pressure sensitive adhesive. The product is single layer, with no need for edge sealing.

## Product Photo



# Introduction of DM9600

## Retroreflection

DM9600 conspicuity marking tape complies with the minimum reflectivity requirements of Regulation ECE 104 Class C. When illuminated with CIE standard illuminant A and measured with the provisions of CIE No. 54, the coefficient of retroreflection for DM9600 conspicuity marking tape shall be not less than the values in Table as below:

Observation Angle	Entrance Angle ( $\beta$ )				
	Beta 1 ( $\beta_1$ )	0°	0°	0°	0°
20' (0.33°)	Beta 2 ( $\beta_2$ )	5°	30°	40°	60°
White	R'	450	200	90	16
Yellow	R'	300	130	65	10
Red	R'	120	60	30	10

# Introduction of DM9600

## **Application**

DM9600 conspicuity marking tape must be applied when the air and surface temperature is between 15° C and 38° C to assure proper adhesive bonding. Surfaces must be cleaned for all grease, oil and dirt. Use a clean towel and Isopropyl alcohol or similar to wipe the surface before application. If any air bubbles are trapped, use a pin to puncture the bubble and squeegee to push the air towards the pin hole. Please contact DM sales team for complete application instructions.

## **Storage and Shelf Life**

The combined shelf life as processed and unprocessed marking tapes cannot exceed 2 years from the date of receipt from DM. However, the tapes must be used within 1 year of processing even if the combined shelf life is less than 2 years. Store the tape in a clean, dry area and away from direct sunlight.




# Introduction of DM9600

## Package

DM9600 conspicuity marking tape always be loaded in 1 box and then 10 boxes in 1 carton. Then we will loaded the cartons on the steel pallet.



# Comparison of ECE104 products

ECE104 PRODUCTS COMPARISON unit:cd.m-2.lx-1							
REFLECTION							
COLOUR	O.A	E.A	STANDARD	DM 9600	3M 983	REFLEXIT E VC104	AVERY 6700
<b>WHITE</b> 	0.33°	5°	450	752.5	756	680	685
		30°	200	458.5	294	340	428
		40°	90	239.9	213.6	218	225
		60°	16	42.5	37.8	39	40
<b>YELLOW</b> 	0.33°	5°	300	510	522	455	457
		30°	130	313	202	222	285
		40°	75	163	145	127	165
		60°	10	21	18	16	21
<b>RED</b> 	0.33°	5°	120	153	223	193	176
		30°	60	89	77	109	101
		40°	30	45	34	53	55
		60°	10	14	11	17	18

Remark:All the above values are tested at 0°.

The test machine GAMMA 932.

# ISO Certificate for DM



IQNet and CQM  
hereby certify that the organization

**Daoming Optics & Chemical Co., Ltd.**  
Domicile: No.1, Yingbin Avenue, No.3, Xiangzhu Industrial Zone, Xiangzhu Town,  
Yongkang City, Zhejiang, P.R.China

is in conformity with  
**ISO 9001:2008 Standard**  
For the subsidiary site and certification scope to the following table

Organization	Certification Address/Post code	Products/Activities
Daoming Optics & Chemical Co., Ltd.	No.1, Yingbin Avenue, No.3, Xiangzhu Town Industrial Zone, Yongkang City, Zhejiang, P.R.China/321300	Design and manufacture of reflective material (reflective sheeting, photoluminescent film, reflective fabric, traffic signs, license plate, vehicle conspicuity tape, empenage mark plate etc.), reflective clothing and general reflective accessories products
Longyou Daoming Optics & Chemical Co., Ltd.	No.7, Xingye Road, Xincheng, South Industrial Park, Donghua Street, Longyou County, Zhejiang, P.R.China/324400	Design and manufacture of reflective material (reflective sheeting, photoluminescent film, reflective fabric, traffic signs, license plate, vehicle conspicuity tape, empenage mark plate etc.), reflective clothing, general reflective accessories products
Zhejiang Tonphae Technology Co., Ltd.	Tengchang Road, Hu Town New Zone, Longyou County, Zhejiang, P.R.China/324401	Design and manufacture of release paper and glass beads
Zhejiang Daoming Optics & Chemical Sales Co., Ltd.	No.1, Yingbin Road, No.3, Xiangzhu Town Industrial Zone, Yongkang City, Zhejiang, P.R.China/321300	Domestic sales, importing and exporting business of reflective material (reflective sheeting, photoluminescent film, reflective fabric, traffic signs, license plate, vehicle conspicuity tape, empenage mark plate etc.), reflective clothing, general reflective accessories products, acrylic resins, release paper and glass beads

Issued on: 2014-01-27  
Validity date: 2017-01-26  
Registration Number: CN-00214Q10611R0M



**Michael Drechsel**  
President of IQNet

**Zhang Wei**  
President of CQM



IQNet Partners:  
AENOR Spain AFNOR Certification France AIB-Vincotte International Belgium ANCE-SIGE Mexico APCER Portugal CCC Cyprus  
CISQ Italy CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany  
FCAV Brazil FONDONORMA Venezuela ICONTEC Colombia IMNC Mexico Inspecta Certification Finland IRAM Argentina  
JQA Japan KPQ Korea MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland PCBC Poland  
Quality Austria Austria SR Russia SII Israel SIQ Slovenia SIRIM QAS International Malaysia  
SQS Switzerland SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia  
IQNet is represented in the USA by: AFNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.

\* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under [www.iqnet-certification.com](http://www.iqnet-certification.com)



IQNet and CQM  
hereby certify that the organization

**Daoming Optics & Chemical Co., Ltd.**  
Domicile: No.1, Yingbin Avenue, No.3, Xiangzhu Industrial Zone, Xiangzhu Town,  
Yongkang City, Zhejiang, P.R.China

is in conformity with  
**ISO 14001:2004 Standard**  
For the subsidiary site and certification scope to the following table

Organization	Certification Address/Post code	Products/Activities
Daoming Optics & Chemical Co., Ltd.	No.1, Yingbin Avenue, No.3, Xiangzhu Town Industrial Zone, Yongkang City, Zhejiang, P.R.China/321300	Design and manufacture of reflective material (reflective sheeting, photoluminescent film, reflective fabric, traffic signs, license plate, vehicle conspicuity tape, empenage mark plate etc.), reflective clothing and general reflective accessories products
Longyou Daoming Optics & Chemical Co., Ltd.	No.7, Xingye Road, Xincheng, South Industrial Park, Donghua Street, Longyou County, Zhejiang, P.R.China/324400	Design and manufacture of reflective material (reflective sheeting, photoluminescent film, reflective fabric, traffic signs, license plate, vehicle conspicuity tape, empenage mark plate etc.), reflective clothing, general reflective accessories products
Zhejiang Tonphae Technology Co., Ltd.	Tengchang Road, Hu Town New Zone, Longyou County, Zhejiang, P.R.China/324401	Design and manufacture of release paper and glass beads
Zhejiang Daoming Optics & Chemical Sales Co., Ltd.	No.1, Yingbin Road, No.3, Xiangzhu Town Industrial Zone, Yongkang City, Zhejiang, P.R.China/321300	Domestic sales, importing and exporting business of reflective material (reflective sheeting, photoluminescent film, reflective fabric, traffic signs, license plate, vehicle conspicuity tape, empenage mark plate etc.), reflective clothing, general reflective accessories products, acrylic resins, release paper and glass beads

Issued on: 2014-01-27  
Validity date: 2017-01-26  
Registration Number: CN-00214E20225R0M



**Michael Drechsel**  
President of IQNet

**Zhang Wei**  
President of CQM



IQNet Partners:  
AENOR Spain AFNOR Certification France AIB-Vincotte International Belgium ANCE-SIGE Mexico APCER Portugal CCC Cyprus  
CISQ Italy CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany  
FCAV Brazil FONDONORMA Venezuela ICONTEC Colombia IMNC Mexico Inspecta Certification Finland IRAM Argentina  
JQA Japan KPQ Korea MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland PCBC Poland  
Quality Austria Austria SR Russia SII Israel SIQ Slovenia SIRIM QAS International Malaysia  
SQS Switzerland SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia  
IQNet is represented in the USA by: AFNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.

\* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under [www.iqnet-certification.com](http://www.iqnet-certification.com)



# Introduction of DM

DM is a leading manufacture of reflective material in China, one of the biggest company producing reflective sheeting, reflective fabrics, photoluminescent films and vehicle safety reflectors in the world-wide.

- In 2002, DM was founded by producing reflective fabric.
- In 2004, set up the new production lines of reflective sheeting in the 2nd factory .
- In 2005, evaluated as High-Tech Enterprise of Zhejiang Province.
- In 2007, acquired IPO right , evaluated as High-tech Enterprise of China.
- In 2009, 3rd factory constructed by producing glass beads, release paper etc..
- In 2011, became the 1st public-listed company in the reflective fields in China
- In 2013, “Zhejiang Daoming Optics & Chemical CO., LTD” changed into Daoming Optics & Chemical CO., LTD.Turnover \$83,000,000.

# DM New Factory



Located in Longyou city, total space 200,000sqm, Completed in 2013.

# DM Workshop



Coating Equipment

Clean Room



Slitting/cutting



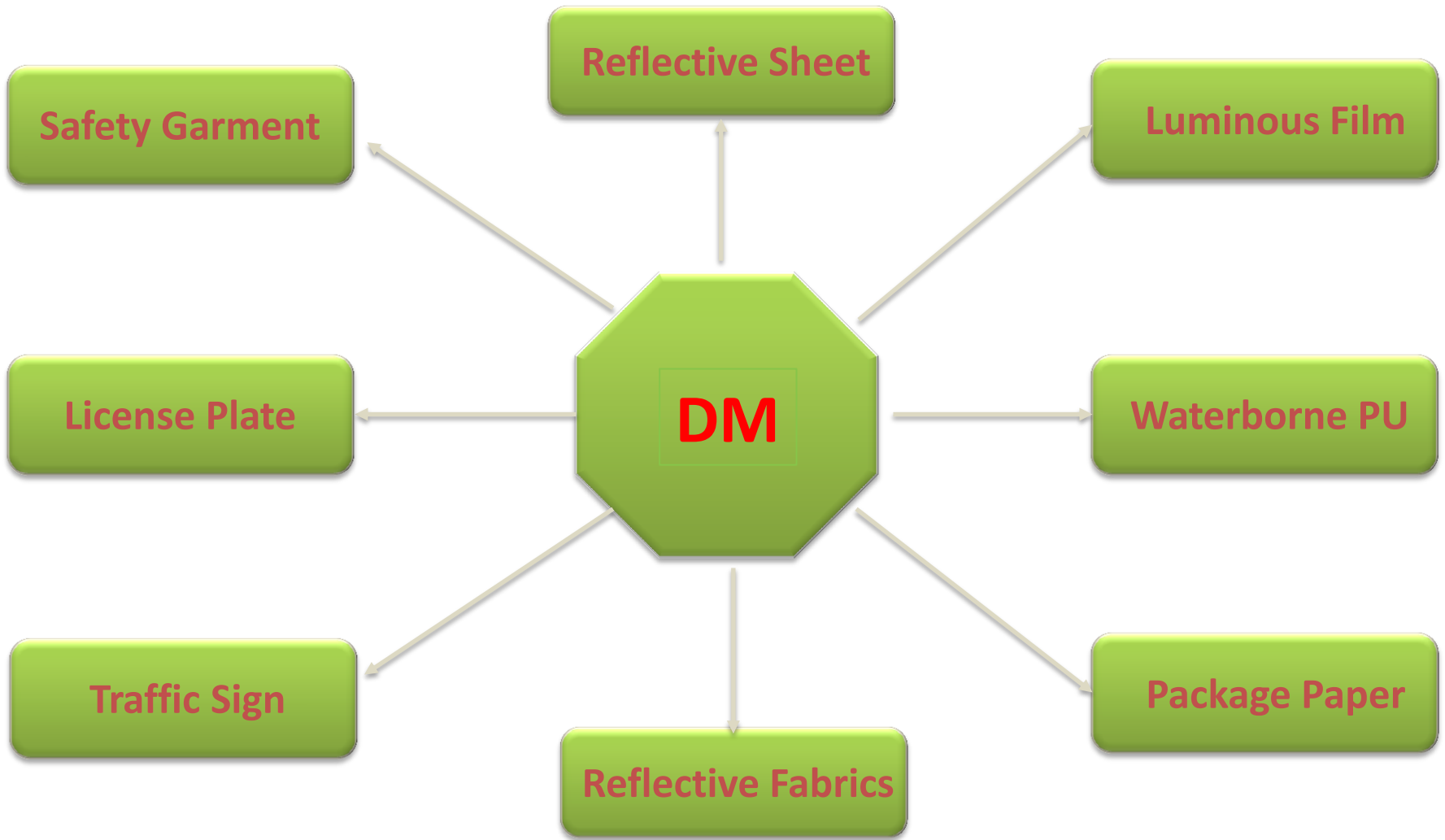
Metallization Equipment



Packages

Based on 24 produce lines DM has capacity of 12millions SQM for reflective sheeting, and 9millions SQM for reflective fabric products.

# DM Product Range



Pls contact with DM sales team freely if you are interested in any of Above.

Thanks for your always support on  
DAOMING OPTICS & CHEMICAL Co.,Ltd  
Wish you a successful business.