

Accepted retroreflective sheeting material

Road Design Note

RDN 06-11

March 2021

Abstract

This road design note provides a list of Department of Transport (DoT) accepted retroreflective sheeting materials and contact details for suppliers.

Key Information

All retroreflective road signs used on the declared road network shall comprise of a sheeting material specified in this note. Material selection shall be in accordance with relevant specifications, standards, drawings or other relevant documents/agreements.

1. Note 1

Retroreflective sheeting materials shall conform to all of the relevant requirements of AS/NZS 1906.1:2017 for the class and colour of the sheeting specified.

2. Note 2

Products marked with a * have been interim accepted. Full acceptance is pending the weathering test results meeting the requirements of AS/NZS 1906.1:2017.

3. Note 3

For details of sheeting materials, refer to specifications from the relevant sign sheeting supplier.

4. References

1. VicRoads Standard Section 860 – Manufacture of Road Signs
2. Australian Standard AS/NZS 1906.1:2017 – Retroreflective materials and devices for road traffic control purposes – Retroreflective sheeting
3. DoT Supplement to AS/NZS 1906.1:2017

Approved by



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Accepted Product Suppliers

3M AUSTRALIA PTY LTD

Pymble, NSW

T (02) 9265 4383

E jmodonnell@mmm.com

W solutions.3m.com.au

AVERY DENNISON MATERIALS PTY LTD

Oakleigh South, VIC

T 0439 993 800

E james.williams@ap.averydennison.com

W reflectives.averydennison.com

ORAFOL AUSTRALIA PTY LTD

Darra, QLD

T (07) 3376 6511

E austsales@orafol.com

W orafol.com

SAKAI AUSTRALIA PTY LTD

Penrith, NSW

T (02) 4721 8011

E wayne@sakai.com.au

W sakai.com.au

Accepted RetroReflective Sheeting Materials

Colour	Class	3M Australia	Avery Dennison	Orafol Australia	Sakai Australia
White	1100	4090*	T-11500	9910-010*	
	400	3930*	T-6500	5910-010*	RS-7000 with EC-1000 (overlay)*
	400T	3830*	W-6500	5960-010* 5930-010* 2018 Series roll up 5946 Series roll up	
	100	3290*	T-1500		2613*
Yellow	1100	4090 with 1170C (overlay) using Digital Durst 8800UV (ink)* 4090DS with 1170C (overlay) using Digital Durst 8900UV (ink)*	T-11501 T-11500 with OL-2001 (overlay) T-11500 with OL-2000 (overlay) or OL-1000 (anti-graffiti overlay) using TrafficJet (ink) T-11500 using Screen Print 4930 Series (ink)	9910-020* 9910-010 with 5061 / 5095 (overlay) using Anapurna 5019i-020 (ink)*	
	400	3931* 3930 with 1170C (overlay) using Digital Durst 8800UV (ink)* 3930DS with 1170C (overlay) using Digital Durst 8900UV (ink)*	T-6501 T-6500 with OL-2001 (overlay) T-6500 with OL-2000 (overlay) or OL-1000 (anti-graffiti overlay) using TrafficJet (ink) T-6500 using Screen Print 4930 Series (ink)	5910-020* 5910-010 with 5061-020 (overlay)* 5910-010 with 5061 (overlay) using OKI 5017-020 (ink)* or Anapurna 5019-020 (ink)	RS-7001 RS-7000 with EC-1001 (overlay)*
	400T	3831*	W-6501 W-6500 with OL-2001 (overlay) W-6500 with OL-2000 / OL-4000 (overlay) or OL-1000 (anti-graffiti overlay) using TrafficJet (ink) T-6500 using Screen Print 4930 Series (ink)	5960-020* 5930-020* 2018 Series roll up 5946 Series roll up	
	100	3290 with 1170C (overlay) using Digital Durst 8800UV (ink)*	T-1501 T-1500 with OL-2001 (overlay) T-1500 with OL-2000 (overlay) or OL-1000 (anti-graffiti overlay) using TrafficJet (ink) T-1500 using Screen Print 7TS or 4930 Series (ink)		2643*
Red	1100	4090 with 1172 (overlay)* 4090 with 1170C (overlay) using Digital Durst 8800UV (ink)* 4090DS with 1170C (overlay) using Digital Durst 8900UV (ink)*	T-11508 T-11500 with OL-2008 (overlay) T-11500 with OL-2000 (overlay) or OL-1000 (anti-graffiti overlay) using TrafficJet (ink) T-6500 using Screen Print 4930 Series (ink)	9910-030* 9910-010 with 5061 / 5095 (overlay) using Anapurna 5019-030 (ink)*	
	400	3930 with 1172 (overlay)* 3930 with 1170C (overlay) using Digital Durst 8800UV (ink)* 3930DS with 1170C (overlay) using Digital Durst 8900UV (ink)* 3930 using Screen Print 882 (ink)* 3931 using Screen Print 882 (ink)*	T-6508 T-6500 with OL-2008 (overlay) T-6500 with OL-2000 (overlay) or OL-1000 (anti-graffiti overlay) using TrafficJet (ink) T-6500 using Screen Print 4930 Series (ink)	5910-030* 5910-010 with 5061-030 (overlay)* 5910-010 with 5061 (overlay) using OKI 5017-030 (ink)* or Anapurna 5019-030 (ink)	RS-7000 with EC-1005 (overlay)*
	400T	3830 with 1170C (overlay) using Digital Durst 8800UV (ink)* 3830 using Screen Print 882 (ink)*	T-6508 W-6500 with OL-2008 (overlay) W-6500 with OL-2000 / OL-4000 (overlay) or OL-1000 (anti-graffiti overlay) using TrafficJet (ink) W-6500 using Screen Print 4930 Series (ink)	5810-030 2018 Series roll up	
	100	3290 using Screen Print 882 (ink)*	T-1508 T-1500 with OL-2008 (overlay) T-1500 with OL-2000 (overlay) or OL-1000 (anti-graffiti overlay) using TrafficJet (ink) T-1500 using Screen Print 7TS or 4930 Series (ink)		2663*

Accepted RetroReflective Sheeting Materials

Colour	Class	3M Australia	Avery Dennison	Orafol Australia	Sakai Australia
Standard Green	1100	4090 with 1176 (overlay)* 4090 with 1170C (overlay) using Digital Durst 8800UV (ink)* 4090DS with 1170C (overlay) using Digital Durst 8900UV (ink)*	T-11500 with OL-2027 (overlay) T-11500 with OL-2000 (overlay) or OL-1000 (anti-graffiti overlay) using TrafficJet (ink)	9910-010 with 5061 / 5095 (overlay) using Anapurna 5019-625 (ink)*	
	400	3930 with 1176 (overlay)* 3930 with 1170C (overlay) using Digital Durst 8800UV (ink)*	T-6500 with OL-2027 (overlay) T-6500 with OL-2000 (overlay) or OL-1000 (anti-graffiti overlay) using TrafficJet (ink)	5910-060* 5910-010 with 5061-060 (overlay)* 5910-010 with 5061-625 (overlay) 5910-010 with 5061 (overlay) using OKI 5017-625 (ink)* or Anapurna 5019-625 (ink)	
	400T		W-6500 with OL-2027 (overlay) W-6500 with OL-2000 / OL-4000 (overlay) or OL-1000 (anti-graffiti overlay) using TrafficJet (ink)		
	100	3290 with 1170C (overlay) using Digital Durst 8800UV (ink)*	T-1500 with OL-2000 (overlay) or OL-1000 (anti-graffiti overlay) using TrafficJet (ink)		
Blue	1100	4090 with 1175 (overlay)* 4090 with 1170C (overlay) using Digital Durst 8800UV (ink)* 4090DS with 1170C (overlay) using Digital Durst 8900UV (ink)*	T-11505 T-11500 with OL-2005 (overlay) T-11500 with OL-2000 (overlay) or OL-1000 (anti-graffiti overlay) using TrafficJet (ink) T-11500 using Screen Print 4930 Series (ink)	9910-050* 9910-010 with 5061 / 5095 (overlay) using Anapurna 5019-050 (ink)*	
	400	3930 with 1175 (overlay)* 3930 with 1170C (overlay) using Digital Durst 8800UV (ink)* 3930DS with 1170C (overlay) using Digital Durst 8900UV (ink)*	T-6505 T-6500 with OL-2005 (overlay) T-6500 with OL-2000 (overlay) using TrafficJet (ink) T-6500 using Screen Print 4930 Series (ink)	5910-050* 5910-010 with 5061-050 (overlay)* 5910-010 with 5061 (overlay) using OKI 5017-050 (ink)* or Anapurna 5019-050 (ink)	RS-7000 with EC-1003 (overlay)*
	400T		T-6505 W-6500 with OL-2005 (overlay) W-6500 with OL-2000 / OL-4000 (overlay) or OL-1000 (anti-graffiti overlay) using TrafficJet (ink) W-6500 using Screen Print 4930 Series (ink)	2018 Series roll up	
	100	3290 with 1170C (overlay) using Digital Durst 8800UV (ink)*	T-1505 T-1500 with OL-2005 (overlay) T-1500 with OL-2000 (overlay) or OL-1000 (anti-graffiti overlay) using TrafficJet (ink) W-1500 using Screen Print 7TS or 4930 Series (ink)		2683*
Brown	1100	4090DS with 1170C (overlay) using Digital Durst 8900UV (ink)*	T-11509 T-11500 with OL-2009 (overlay) T-11500 with OL-2000 (overlay) or OL-1000 (anti-graffiti overlay) using TrafficJet (ink) T-11500 using Screen Print 4930 Series (ink)	9910-080* 9910-010 with 5061 / 5095 (overlay) using Anapurna 5019-080 (ink)*	
	400	3930 with 1170C (overlay) using Digital Durst 8800UV (ink)* 3930DS with 1170C (overlay) using Digital Durst 8900UV (ink)*	T-6509 T-6500 with OL-2009 (overlay) T-6500 with OL-2000 (overlay) or OL-1000 (anti-graffiti overlay) using TrafficJet (ink) T-6500 using Screen Print 4930 Series (ink)	5910-080* 5910-010 with 5061-080 (overlay)* 5910-010 with 5061 (overlay) using OKI 5017-080 (ink)* or Anapurna 5019-080 (ink)	
	400T		T-6509 W-6500 with OL-2009 (overlay) W-6500 with OL-2000 / OL-4000 (overlay) or OL-1000 (anti-graffiti overlay) using TrafficJet (ink) W-6500 using Screen Print 4930 Series (ink)		
	100		T-1509 T-1500 with OL-2009 (overlay) T-1500 with OL-2000 (overlay) or OL-1000 (anti-graffiti overlay) using TrafficJet (ink) T-1500 using Screen Print 7TS or 4930 Series (ink)		

Accepted RetroReflective Sheeting Materials

Colour	Class	3M Australia	Avery Dennison	Orafol Australia	Sakai Australia
Fluorescent Yellow-Green	1100	4083*	T-11513	9910-029*	
	400		T-11513	5930-029*	
	400T		W-6513	5930-029	
Fluorescent Yellow	1100	4081* 4081DS*	T-11511	9910-037*	
	400		T-11511	5930-037*	
	400T		W-6511	5930-037	
Fluorescent Orange	1100	4084*	W-11514	9910-038*	
	400				
	400T	3824*	W-6514	5960-038*	
				5930-038* 2056 Marathon Series roll up 5946 Series roll up	

Revision History

Version	Date	Clause	Description of Change
1.0	March 2021	All	First version

Contact Details

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