

Approved Retro-Reflective Sheeting (RRS) Products and Registered Suppliers as at September 2020

Table 1: Retro-Reflective sheeting compliant to AS/NZS1906.1:2007

Table 1 has been withdrawn from the Transport and Main Roads *Approved Retro-Reflective Sheeting (RRS) Products and Registered Suppliers* list as of 30 June 2020.

Refer to Table 2 following for approved retroreflective sheeting products for use in Queensland.

Table 2: Retroreflective sheeting compliant to AS/NZS1906.1:2017

Item	Class	3M	Avery Dennison	Sakai Australia	Orafol Reflective Solutions	Stylus Tapes International
White	1100	Diamond Grade DG3 4090	Type-11500 Omni-Cube		ORALITE 9910-010	
	400	3M 3930 HIP	T-6500 HIP	Kiwalite 55013 MNtech EC-1000 on RS- 7000	ORALITE 5910-010	<i>HIP-4001 - Interim approval</i>
	400T		W-6500 HIP	Kiwalite 55013	ORALITE 5960-010 ORALITE 5930-010 ORALITE 2018 Series roll up ORALITE 5946 Series roll up	HIP-4001

Item	Class	3M	Avery Dennison	Sakai Australia	Orafol Reflective Solutions	Stylus Tapes International
Yellow	1100	Diamond Grade DG3 4091 or 1171 Film on Diamond Grade DG3 4090 or 8800UV (digital printing spot colour Traffic Yellow) on DG3 4090	Type-11501 Omni-Cube or OL-2001 on T-11500 Omni-Cube or TrafficJet printed T-11500 using digital traffic spot colour ink traffic yellow.		ORALITE 9910-020	
	400	8800UV (digital printing spot colour Traffic Yellow) on 3930 HIP	T-6501 HIP or OL-2001 on T-6500 HIP or TrafficJet printed T-6500 using digital traffic spot colour ink traffic yellow.	Kiwalite 55043 Kiwacal AF-204 on 55013 MNtech EC-1001 on RS-7000 MNtech RS-7001	ORALITE 5910-020 or 5061-020 and or 5018-020 on 5910-010 or ANAPURNA 2050 & 2050i UV digital ink 5019-020 +5061 transparent film	<i>HIP-4003 - Interim approval</i>
	400T		W-6501 HIP or OL-2001 on T-6500 HIP or TrafficJet printed T-6500 using digital traffic spot colour ink traffic yellow.	Kiwalite 55043 Kiwacal AF-204 on 55013	ORALITE 5960-020 ORALITE 5930-020 ORALITE 2018 Series roll up ORALITE 5946 Series roll up	HIP-4003

Item	Class	3M	Avery Dennison	Sakai Australia	Orafol Reflective Solutions	Stylus Tapes International
Red	1100	Diamond Grade DG3 4092 or 1172 Film on Diamond Grade DG3 4090 or 8800UV (digital printing spot colour Traffic Red) on DG3 4090	Type-11508 Omni-Cube or OL-2008 on T-11500 Omni-Cube or TrafficJet printed T-11500 using digital traffic spot colour ink traffic red.		ORALITE 9910-030	
	400	1172 ECOF on 3M 3930 HIP or 3M 882 ink on 3930 HIP or 8800UV (digital printing spot colour Traffic Red) on 3930 HIP	T-6508 HIP or OL-2008 on T-6500 HIP or TrafficJet printed T-6500 using digital traffic spot colour ink traffic red.	Kiwalite 55063 Kiwacal AF-206 on 55013 MNtech EC-1005 on RS-7000	ORALITE 5910-030 or 5061-030 and or 5018-030 on 5910-010 or ANAPURNA 2050 & 2050i UV digital ink 5019-030 +5061 transparent film	<i>HIP-4007 - Interim approval</i>
	400T		T-6508 HIP or OL-2008 on W-6500 HIP or TrafficJet printed W-6500 using digital traffic spot colour ink traffic red.	Kiwalite 55063 Kiwacal AF-206 on 55013	ORALITE 2018 Series roll up	

Item	Class	3M	Avery Dennison	Sakai Australia	Orafol Reflective Solutions	Stylus Tapes International
Blue	1100	Diamond Grade DG3 4095 or 1175 Film on Diamond Grade DG3 4090 or 8800UV (digital printing spot colour Traffic Blue) on DG3 4090	Type-11505 Omni-Cube or OL-2005 on T-11500 Omni-Cube or TrafficJet printed T-11500 using digital traffic spot colour ink traffic blue.		ORALITE 9910-050	
	400	3M 885 ink on 3930 HIP or 8800UV ink (digital printing spot colour Traffic Blue) on 3930 HIP	T-6505 HIP or OL-2005 on T-6500 Omni-Cube or TrafficJet printed T-6500 using digital traffic spot colour ink traffic blue.	Kiwalite 55083 Kiwacal AF-208 on 55013 MNtech EC-1003 on RS-7000	ORALITE 5910-050 or 5061-050 and or 5018-050 on 5910-010 or ANAPURNA 2050 & 2050i UV digital ink 5019-050 +5061 transparent film	<i>HIP-4011 - Interim approval</i>
	400T		T-6505 HIP or OL-2005 on T-6500 HIP or TrafficJet printed T-6500 using digital traffic spot colour ink traffic blue.	Kiwalite 55083 Kiwacal AF-208 on 55013	ORALITE 2018 Series roll up	

Item	Class	3M	Avery Dennison	Sakai Australia	Orafol Reflective Solutions	Stylus Tapes International
Brown	1100	1179 ECF on Diamond Grade DG3 4090 or 8800UV (digital printing spot colour Traffic Brown) on DG3 4090	Type-11509 Omni-Cube or OL-2009 on T-11500 Omni-Cube or TrafficJet printed T-11500 using digital traffic spot colour ink traffic brown.		ORALITE 9910-080	
	400	8800UV ink (digital printing spot colour Traffic Brown) on 3930 HIP	T-6509 HIP or OL-2009 on T-6500 HIP or TrafficJet printed T-6500 using digital traffic spot colour ink traffic brown.	Kiwacal AF-219 on 55013	ORALITE 5910-080 or 5061-080 and or 5018-080 on 5910-010 or ANAPURNA 2050 & 2050i UV digital ink 5019-080 +5061 transparent film	<i>HIP-4015 - Interim approval</i>
	400T		T-6509 HIP or OL-2009 on W-6500 HIP or TrafficJet printed W-6500 using digital traffic spot colour ink traffic brown.	Kiwacal AF-219 on 55013		

Item	Class	3M	Avery Dennison	Sakai Australia	Orafol Reflective Solutions	Stylus Tapes International
Standard Green	1100	1176 ECF on Diamond Grade DG3 4090 or 8800UV (digital printing spot colour Traffic Green) on DG3 4090	OL-2027 on T-11500 or TrafficJet printed T-11500 using digital traffic spot colour ink traffic green.			
	400	8800UV ink (digital printing spot colour Traffic Green) on 3930 HIP	OL-2027 on T-6500 HIP or TrafficJet printed T-6500 using digital traffic spot colour ink traffic green.	Kiwacal FF-117 on 55013	ORALITE 5061-625 transparent film on 5910-010 or ANAPURNA 2050 & 2050i UV digital ink 5019-625 +5061 transparent film	<i>HIP-4009 - Interim approval</i>
	400T		OL-2027 on W-6500 HIP or TrafficJet printed W-6500 using digital traffic spot colour ink traffic green.	Kiwacal FF-117 on 55013		
Fluorescent Yellow / Green	1100	Diamond Grade DG3 4083	T-11513 Omni-Cube			
	400	3983 VIP	T-11513 Omni-Cube	Kiwalite 55033		<i>HIP-4002 - Interim approval</i>
	400T		W-6513 HIP	Kiwalite 55033	ORALITE 5930-029	HIP-4002

Item	Class	3M	Avery Dennison	Sakai Australia	Orafol Reflective Solutions	Stylus Tapes International
Fluorescent Yellow	1100	Diamond Grade DG3 4081	T-11511 Omni-Cube			
	400	3M 3831	T-11511 Omni-Cube			<i>HIP-4003 - Interim approval</i>
	400T		W-6511 HIP		ORALITE 5930-037	
Fluorescent Orange	1100	Diamond Grade DG3 4084	W-11514 Omni-Cube			
	400	3M 3824	W-6514 HIP	Kiwalite 55153		<i>HIP-4004 - Interim approval</i>
	400T		W-6514 HIP	Kiwalite 55153	ORALITE 5960-038 ORALITE 5930-038 ORALITE 2056 Marathon Series roll up ORALITE 5946 Series roll up	HIP-4004

Table 3: Digital printers

Supplier	Printer	Class	Sheeting	Overlay	Inks
3M	Durst RHO 161/162 TS	1100	DG3 4090	1170C overlay	8800UV ink + 1170C Traffic Yellow film 8800UV ink + 1170C Traffic Red film 8800UV ink + 1170C Red film 8800UV ink + 1170C Traffic Blue film 8800UV ink + 1170C Worboys Green film 8800UV ink + 1170C Traffic Brown film
		400	HIP 3930		
Avery Dennison	TrafficJet printer	1100	T-11500 Omni-Cube	OL-1000 or OL- 2000 Overlay	TrafficJet Red TrafficJet Green TrafficJet Blue TrafficJet Worboy Green TrafficJet Black
		400	T-6500 HIP		
Orafol	M2050, M2050i, or H2050i LED printers	1100	ORALITE 9910-010	ORALITE 5061 - Transparent Film or ORALITE 5095 - Anti-Graffiti Film	ORALITE 5019i - 020 - Yellow ORALITE 5019i - 030 - Red ORALITE 5019i - 050 - Blue ORALITE 5019i - 080 - Brown ORALITE 5019i - 625 - Standard Green
		400	ORALITE 5910-010		
	OKI M64S Color Painter	400	ORALITE 5910-010	ORALITE 5061 - Transparent Film	ORALITE 5017-020-Yellow ORALITE 5017-030-Red ORALITE 5017-035-Orange ORALITE 5017-050-Blue ORALITE 5017-060 Green (NZ) ORALITE 5017-070-Black ORALITE 5017-080-Brown ORALITE 5017-625- Std Green

Table 4: Flexible collar for cones and bollards

Item	Class	3M	Avery Dennison	Sakai Australia	Orafol Reflective Solutions	Stylus Tapes International
White	1W	3310 Series 3340 Series			Oralite 2018 Series Oralite 5960 Oralite 5930	
White	400T				Oralite 2018 Series	

Notes:

1. Only Class 1W, 1W (Work Zone), 400 and 400T products shall be used for road works signage in Queensland.
2. Approval is based on continued compliance with MRTS14.
3. Failure to comply with warranty requirements contained in MRTS14 will result in withdrawn approval.
4. Class 2 & 2A products are no longer specified for use in Queensland.
5. Interim approvals are shown in italics. These are based on the relevant supplier showing test reports from a recognized testing facility with compliance to AS/NZS 1906.1 'as new product'. The supplier is to also demonstrate samples at approved outdoor testing facility pending weathering exposure in accordance with the same Standard.
6. All products complaint to AS/NZS1906.1:2007 are approved for use until 30 June 2020. Past this point products compliant to this standard will no longer be accepted for use in Queensland.

Table 5: Retro-reflective sheeting registered suppliers

Company name	Contact	Address	Contact number	Contact Email
Nikkalite Pty Ltd	Allan Trueman	PO Box 4109 Forest Lake QLD 4078	0409 746 432	sales@nikkalite.com.au
3M Australia PTY LTD	Gavin Duigan	Unit 9, 23 Breene Place, Morningside, QLD 4170	0409 260 278	gduigan@mmm.com
Avery Dennison Materials PTY LTD	James Williams	1124 Centre Road Oakleigh South Vic 3167	1800 888 560 0439 993 800	James.Williams@ap.averydennison.com
Sakai Australia Pty Ltd	Ryusuke Tsuji	Unit 12 14-18 Preston St Penrith NSW 2750	02 4721 8011	r-tsuji@sakaitrading.co.jp
Orafol Australia Pty Ltd	Grant Stewart	8 Blanck Street Ormeau QLD 4208	07 5609 9152 0438 776 577	grant.stewart@orafol.com
Stylus Tapes International	Colin Dorante	111-121 Warren Road	0422 389 908 02 9632 9400	colind@stylustapes.com.au