



INNOVASOLUTIONS

NovaFlect 7

7 year Engineering Grade Retro-reflective Tape

- Colour fast
- Resistance to corrosion
- Resistance to most solvents
- Resistance to weather
- Excellent adhesion
- Dimensional stability

Standard colours, White, Yellow, Red, Blue, Green & printed chevron
White/Red and Black/Yellow

The product should have a useful working life of over 7 years when applied according to manufacturers guidelines.

Conforms to EN12899 for Chromaticity and co-efficient of Retro-reflectivity

TECHNICAL DATA

a) Physical Properties

Surface film	UV stable PVC film
Adhesive	High grade solvent acrylic
Application temperature	+15°C to +25°C (59°F to 77°F)
Service temperature	-30°C to +70°C (-22°F to 158°F)
Thickness	0.155mm
Adhesion	0.8Kg / 100mm 5 minutes <20mm

b) Chemical & Environmental Resistance

Chemical Agent	Exposure Time	Results
Water	1 month at 23°C	No effect
Lube Oil	24 hours at 23°C	No effect
Gasoline	30 min. at 23°C	No effect
Mineral Spirit	10 min. at 23°C	No effect
Toluene	1 min. at 23°C	No effect

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Measured values in accordance with EN12899

c) Retro-reflectivity

Typical coefficient of Retro-reflection

Entrance angle	Observation angle	Red	Yellow	Green	Blue	White
degrees	cd/(1x/m2)	cd/(1x/m2)	cd/(1x/m2)	cd/(1x/m2)	cd/(1x/m2)	cd/(1x/m2)
	20'	14	55	9	4	80
-4	33'	10	35	7	3	50
	1,0°	2	3	1	0.6	5
	20'	11	35	7	3	55
15	33'	8	20	5	2	45
	1.0°	1	2	0.8	0.3	3
	20'	6	22	3.5	1.5	30
30	33'	4	15	2.5	1	24
	1.0°	0.6	1.5	0.4	0.2	2

d) Colour Chromaticity

Standard D65 light source at observation condition of 45/0 at an angle of 2°

Colour	Colour Chromaticity								Luminance Factor
	X	Y	X	Y	X	Y	X	Y	
White	0.35	0.36	0.3	0.31	0.285	0.325	0.355	0.375	>0.27
Yellow	0.545	0.454	0.464	0.534	0.427	0.483	0.487	0.423	0.16-0.4
Red	0.69	0.31	0.658	0.342	0.569	0.341	0.595	0.315	0.03-0.1
Green	0.007	0.703	0.026	0.399	0.177	0.362	0.248	0.409	0.03-0.1
Blue	0.078	0.17	0.137	0.038	0.21	0.16	0.15	0.22	0.01-0.1

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The values presented in this document have been determined by standard test methods and are average values that should not be used for specification purposes. Our recommendations regarding the use of our products are based on tests considered by INNOVA SOLUTIONS to be reliable, but the customer must conduct his own tests to determine the suitability of the product to the individual's application and requirements. INNOVA SOLUTIONS do not accept responsibility or liability, directly or consequentially, for loss or damage caused as a result of our recommendations.

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