


## TECHNICAL DATA SHEET

 bonding people fixing problems	TDS No:	<b>020</b>	Issue No:	<b>1</b>
	Issue Date:	<b>06/05/14</b>		
	Revision Date:	<b>14/07/16</b>		
	Page No:	<b>1 of 3</b>		
<b>PRODUCT</b>	<b>NovaFlect 7 Retro – Reflective Tape</b>			

### NovaFlect 7 - Engineering Grade 7 year Retro-reflective Tape

#### PROPERTIES

- Colour fast
- Resistance to weather
- Resistance to corrosion
- Excellent adhesion
- Resistance to most solvents
- 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 manufacturer's guidelines.

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

#### TECHNICAL DATA


##### a) Physical Properties

Parameter	Specification
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

#### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

**TECHNICAL DATA SHEET**

	TDS No:	<b>020</b>	Issue No:	<b>1</b>
	Issue Date:	<b>06/05/14</b>		
	Revision Date:	<b>14/07/16</b>		
	Page No:	<b>2 of 3</b>		
<b>PRODUCT</b>	<b>NovaFlect 7 Retro – Reflective Tape</b>			

**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

**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)
	<b>20'</b>	14	55	9	4	80
<b>-4</b>	<b>33'</b>	10	35	7	3	50
	<b>1,0°</b>	2	3	1	0.6	5
	<b>20'</b>	11	35	7	3	55
<b>15</b>	<b>33'</b>	8	20	5	2	45
	<b>1.0°</b>	1	2	0.8	0.3	3
	<b>20'</b>	6	22	3.5	1.5	30
<b>30</b>	<b>33'</b>	4	15	2.5	1	24
	<b>1.0°</b>	0.6	1.5	0.4	0.2	2

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

**TECHNICAL DATA SHEET**

	TDS No:	<b>020</b>	Issue No:	<b>1</b>
	Issue Date:	<b>06/05/14</b>		
	Revision Date:	<b>14/07/16</b>		
	Page No:	<b>3 of 3</b>		
<b>PRODUCT</b>	<b>NovaFlect 7 Retro – Reflective Tape</b>			

**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

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.