



# KIWALITE Promotional Grade 9500

## Technical Bulletin

### Description

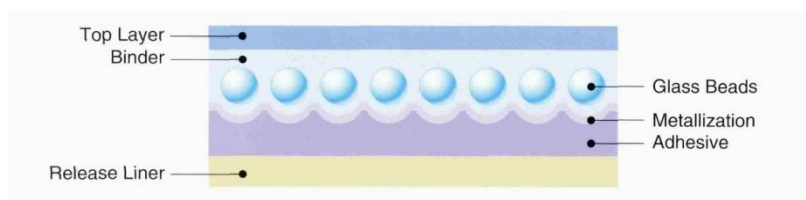
enclosed reflective sheeting featuring good reflectivity and durability for a even better price

### Application Range

perfect for stickers, emblems or short-term safety signs

### Colors

white, yellow, orange, red, green, blue



### Photometric Property

Reflectivity	Initial Value							
	D.A.	I.A.	White	Yellow	Orange	Red	Green	Blue
	0.2°	5°	52.2	42.6	29.7	15.1	13.9	5.8
	+30°	40.1	32.7	21.3	11.2	9.9	4.1	
	+40°	31.4	25.4	16.3	8.5	7.3	3.1	
Chromaticity ( Light source – D65 )	Y		39.9	27.4	15.7	9.1	5.3	3.2
	x		0.299	0.495	0.582	0.637	0.165	0.159
	y		0.320	0.482	0.396	0.332	0.512	0.139

### Accelerated Weathering Test

Reflectivity after 300 h Sunshine Weather-O-Meter	Initial Value							
	D.A.	I.A.	White	Yellow	Orange	Red	Green	Blue
	0.2°	5°	50.6	39.9	27.0	14.3	12.9	5.7
	+30°	38.6	30.1	20.3	10.3	9.0	3.8	
	+40°	30.6	24.1	15.7	7.8	6.6	2.8	
Chromaticity ( Light source – D65 )	Y		39.7	27.1	15.0	8.7	4.8	3.0
	x		0.300	0.494	0.580	0.635	0.167	0.160
	y		0.321	0.483	0.397	0.333	0.507	0.139





**KIWA**  
CHEMICAL INDUSTRY CO.

BETTER FUTURE

**Technical Data**

<b>Thickness</b> (without release liner)		122 ~ 128 $\mu\text{m}$
<b>Weight</b>		192 ~ 202 $\text{g/m}^2$
<b>Adhesion test</b>	Aluminium	13.0 N/inch
	Stainless steel	10.0 N/inch
	Sheet on sheet	9.8 N/inch
<b>Elongation</b>		25% ~ 45%
<b>Solvent Resistance</b>		
water at 98°C	5 min	no effect
10% Hydrochloric Acid	5 min	no effect
10% Ammonium Hydroxide	5 min	no effect
Gasoline	30 min	no effect
Kerosine	10 min	no effect
Turpentine Oil	10 min	no effect
Methyl alcohol	10 min	no effect
Mineral Spirits	10 min	no effect

Please notice that substrates have to be free of dust and silicones, furthermore prints have to be completely cured, otherwise adhesion cannot be guaranteed. It is advisable to carry out some application tests to check the compatibility with different types of substrate. Please adhere to the manufacturer's application instructions.

All the technical information given herein are based on tests we have conducted, but the accuracy nor completeness is not guaranteed. Before using, user shall determine the suitability of the product for his intended use and user assumes all risk and liability.

