

KIWALITE Promotional Grade Reflective Sheeting #19500 Series

Description

KIWALITE Promotional Grade Reflective Sheeting #19500 Series is an enclosed-lens type reflective sheeting with numerous glass beads enclosed in transparent resin. The polyester top film supports smooth application work. This reflective sheeting is suitable for outdoor use for relatively short period with the excellent reflective performance in the night. The major intended uses of KIWALITE Promotional Grade Reflective Sheeting #19500 Series are construction sign, temporary sign, or stickers.

Color Availability, Product code No. and Standard size

Standard Color	Product Code No.
White	#19513
Yellow	#19543
Orange	#19553
Red	#19563
Green	#19573
Blue	#19583

Standard Width : 24inches, 48inches
 Standard Length : 50 yards, 100 yards

Photometric Performance

Coefficient of Retroreflective values of KIWALITE Promotional Grade Reflective Sheeting #19500 Series when measured in accordance with CIE Publication 54:1982 are shown in Table 1.

Table 1 : Coefficient of Retroreflective values (R_A) ($cd/lx/m^2$)

Observation Angle	Entrance Angle	White #19513	Yellow #19543	Orange #19553	Red #19563	Green #19573	Blue #19583
0.2°	+5°	37	28	22	10	7	3.5
	+30°	20	15	12	5	4	1.5
0.33°	+5°	28	22	20	7	5	2.5
	+30°	15	13	10	4	3	1.2

Performance Life

According to our test results and experiences, KIWALITE Promotional Grade Reflective Sheeting #19500 Series can be expected to provide the effective performance life of approx. 12 months under normal mild climate and vertical installment when properly processed and applied in accordance with KIWALITE manuals and advices. However, the effective performance life depends upon substrate selection, preparation, compliance with our application instructions, exposure conditions and maintenance.

Application Instructions

1. Substrate

KIWALITE Promotional Grade Reflective Sheeting #19500 Series can be applied on clean, durable and non-porous materials (e.g. aluminium or coated steel plate). However, some materials (e.g. plastic plates) may contain release agent, oils, unreacted monomers, plasticizer, dyes or gases. Always pretest your specific substrate and confirm appropriate substrate is selected prior to application.

2. Application

KIWALITE Promotional Grade Reflective Sheeting #19500 Series has a pressure sensitive adhesive on the back that should be applied at room temperature (18 to 28°C) by hand roller or squeeze roll applicator. Application procedure and devices are the same as for KIWALITE Engineering Grade #2000 Series or KIWALITE High Intensity Grade #22000 Series.

3. Printing / Cut Letter

KIWALITE screen printing ink KT-F Series (fast dry one component ink) is available. Although KIWALITE Inks are best suited for screen printing on KIWALITE Promotional Grade Reflective Sheeting #19500 Series, general inks available in markets are also applicable on the sheeting. Always pretest general inks and confirm appropriate inks are selected.

Instead of printing with KIWALITE Inks, KIWACAL transparent color films, FF-GF Series and LF-AF Series films are available for digital cutting.

4. Cut

KIWALITE Promotional Grade Reflective Sheeting #19500 Series can be cut by scissors, cutting knife, die cutting machine or cutting plotter.

Storage and Shelf Life

KIWALITE Promotional Grade Reflective Sheeting #19500 Series should be stored in a cool, dry area, preferably at 18 - 28°C and 30 - 60% relative humidity in accordance with KIWALITE manuals and advices, and should be used within one year from date of delivery. For the details of storage, see KIWALITE instruction manual "No.KM-40004 Instruction for Storage and Handling".

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