

KIWALITE Daylight Fluorescent Reflective Sheeting

PINF #50000 Series

Description

KIWALITE Daylight Fluorescent Reflective sheeting is designed for combination of daylight fluorescent color and reflective sheeting. Its unique performance offers the driver the highest level of visibility in all time, particularly at dawn or dusk. The top surface of the sheeting is covered by durable PET film. The sheeting is pre-coated with permanent pressure sensitive adhesive for easy applications on to flat surfaces without rivets. The sheeting may be used for temporally warning signs, commercial stickers and others.

Colors

Code No.	Daytime Color Specification Limits								Luminance Limit	
	1		2		3		4			
	x	y	x	y	x	y	x	y	Min.	Max.
#50033 Lemon Yellow	0.375	0.485	0.375	0.585	0.475	0.585	0.475	0.485	—	40.0
#50073 Green	0.200	0.600	0.200	0.700	0.300	0.700	0.300	0.600	—	20.0

Note: The four pairs of chromaticity coordinates determine the acceptable color in terms of the CIE 1931 Standard Colorimetric System measured with CIE Standard Illuminance D65.

Reflectivity

Minimum Coefficient of Retroreflection (R_A) (cd/lx/m²)

Code No.	Observation angle 0.2°		
	E.A. -4°	E.A. +30°	E.A. +40°
#50033 Lemon Yellow	30	15	8
#50073 Green	25	10	6

Standard Size of roll

1220mm X 45.7m

Application

The sheeting may be applied to most clean, flat and dry surfaces by hand, by squeegee or by mechanical squeeze roll applicator, but trial application should be made to determine acceptability of the application.

Color processing

The sheeting may be screen processed into signs before or after mounting to a sign substrate, using KIWALITE KTF Series Screen INK .

Shelf life

The shelf life of the sheeting is one year after receipt of film when stored at following temperature and conditions.

Temperature	20 - 25°C
Relative humidity	50% ± 5% R.H.

Durability

The durability of the sheeting will depend upon substrate selection and preparation, maintenance of the marking and exposure conditions. When the films are processed in accordance with KIWA's recommendations, satisfactory performance of two years can be expected under normal, vertical, stationary outdoor exposure conditions.

Physical properties

Characteristics	Typical measurement and result	Test method / Remarks
Film thickness (Caliper)	150 μ meter	without liner
Adhesion	30mm	400g / 5min.

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