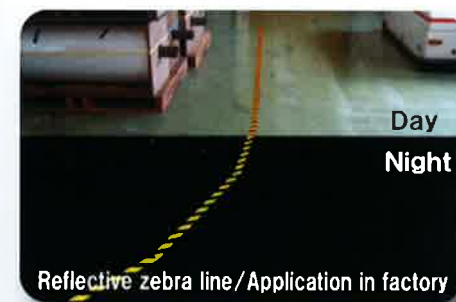
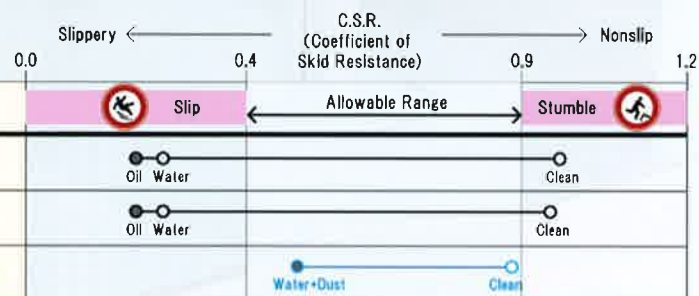


# KIWACAL FUNCTIONAL OVERLAY FILM ANTI-SKID FILM

Suitable for safety anti-skid floor advertisement and sign

- ★ Moderate skid resistance and excellent abrasion-resistance are achieved by containing glass material.
- ★ Good transparency and high resistance to fading keep underlying images as vivid as they are.

<Slipperiness of hard sole (male shoes)>



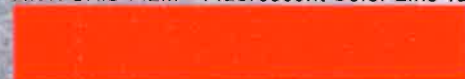
Recommended applications are :

Floor advertisement, EL floor sign, Photoluminescent/Reflective evacuation floor sign, various floor line tapes and floor signs, handrail, knob.

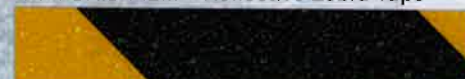
ANTI-SKID FILM + Photoluminescent Line Tape



ANTI-SKID FILM + Fluorescent Color Line Tape



ANTI-SKID FILM + Reflective Zebra Tape



ANTI-SKID FILM +  
Photoluminescent Guide



ANTI-SKID FILM +  
Super Wide Angle Reflective Guide



ANTI-SKID FILM +  
Fluorescent Warning Sign



## **ANTISKID FILM**

TEST ITEMS		TEST CONDITIONS	RESULTS	REMARKS
Thickness (μm)		Film	160	Dial Gauge
		Adhesive	40	
Tensile Strength (N/10mm)		MD, TD	17.6	20°C±1°C, 65%±10%RH Pulling speed: 100mm/min Distance between jaws: 100mm
Elongation (%)		MD, TD	100	
Adhesion (N/10mm)		20°Cx48hrs (Aluminium)	7.8	20°C±1°C, 65%±10%RH Pulling Angle: 180° Pulling Speed: 100mm/min  ( ) shows substrate material
		20°Cx48hrs (Polycarbonate)	9.8	
		20°Cx48hrs (Acrylic)	9.8	
		20°Cx48hrs (PVC)	14.7	
Dimensional Stability (%) (applied on substrate)		MD	0.1	Substrate: Aluminium Plate Sample dimension: 100mmx100mm Measured after 80°Cx48hrs
		TD	0.1	
Heat Resistance		70°Cx168hrs	No effect	Substrate: Aluminium, PVC, PC, Acrylic
Chemical Resistance	Water	98°Cx5min	No effect	Substrate : Aluminium Plate  * 85%Mineral Spirits/ 15%Xylol
	10%HCL	5min	No effect	
	10%NH <sub>4</sub> OH	20min	No effect	
	Reference Fuel *	1hr	No effect	
	Petrol	30min	No effect	
	Methyl Alcohol	10min	No effect	
	Mineral Spirits	10min	No effect	
Accelerated Weathering	SWOM	2000hrs	No effect	Black Panel: 63±3°C Water Spray: 18/120mins
	QUV	2000hrs	No effect	UV Radiation: 60°Cx4hrs Condensation Cycle: 50°Cx4hrs



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