

Safety Signs, Posters, Combi Signs



Clear or coloured vinyl foil (self adhesive)

Material	Polymer PVC film, white, glossy and transparent glossy
Cover material	Both sides PE-coated silicone cardboard, 148 g/m ² , 168 µm
Adhesive	Solvent polyacrylate, repositionable, with permanent adhesion, transparent
Application area	Indoor and outdoor safety applications
Thickness	0.070 mm (average) (excl. covering paper and adhesive)
Shape retention (FINAT TM 14)	Adhered to steel, no measurable shrinkage in transverse direction, in running direction max. 0.2 mm
Temperature resistance	Adhered to aluminium, -50°C to +90°C (short term, max. 24h/+100°C), no change
Seawater resistance (DIN 50021)	Adhere to aluminium, after 100h/+23°C no change
Solvent / chemical resistance	At room temperature 72h after adherence on aluminium, short term enduring against most oils, greases, fuels, aliphatic solvents, weak acids, salts and alkalis
Fire performance (DIN 75200)	Adhered to steel, self-extinguishing
Adhesive power (FINAT TM 1, after 24h, rust-free steel)	18N/25mm (average)
Tear strength (DIN EN ISO 527)	Lengthways: min. 19 MPa, Across: min. 19 MPa
Percentage elongation at break (DIN EN ISO 527)	Lengthways: min. 130%, Across: min. 150%
Storage life	2 years (at 20°C and 50% humidity)
Adherence temperature	Min. +8°C

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Photoluminescent foil (self adhesive) according to DIN 67510

Material	Photoluminescent matte film coated with a permanent acrylic adhesive
Application area	Indoor and outdoor safety applications
Thickness	0.240 mm (substrate), (0.064 mm pressure sensitive adhesive), 0.152 mm (release liner)
Peel adhesion to	<u>Stainless Steel</u> : 15 minute dwell - 960 N/M, 24 hour dwell - 1100 N/M, <u>Powder coated surfaces</u> : 15 minute dwell - 880 N/M, 24 hour dwell - 1000 N/M, <u>Polyethylene</u> : 15 minute dwell - 770 N/M, 24 hour dwell - 880 N/M
Shear adhesion to	Stainless Steel: ½" x ½" x 1000 g – 2 hours
Shape retention (FINAT TM 14)	Adhered to steel, no measurable shrinkage in transverse direction, in running direction max. 0.2 mm
Luminous values	95.5/11.8 mcd/m² - 1345
Luminous compliance	DIN67510, ASTM 2072, ISO15370, IMO RES A.752(18), PSPA Class B
Temperature resistance	Between -30°C and 65°C no visible effect
Solvent resistance	<u>Recommended</u> : water, 10% salt water, bleach, 25% sulfuric acid, hydraulic fluid, 50% antifreeze in water, mineral spirits, 99% IPA <u>Not recommended</u> : trichloroethylene, MEK. <u>Intermittent contact only</u> : 1% sodium hydroxide, unleaded gasoline, diesel fuel

Rigid PVC

Material	Rigid PVC plate, white (RAL 9003), glossy, impact-resistant, deep-drawable, flame retardant
Application area	Indoor and outdoor safety applications
Thickness	1 mm
Gross density	~1,43 g/cm³
Tensile strength	>45 MPa
Ultimate elongation	>20%
Bending strength	≥ 80 MPa
Resistance to compression	≥ 70 MPa
Impact strength	up to -20°C
Dimensional stability	up to 68°C
Solvent / chemical resistance	Resistant against most chemicals except of gasoline, gasoline/benzene mixture, diethyl ether, toluene, xylol

Photoluminescent rigid PVC (self-adhesive) according to DIN 67510

Material	Photoluminescent rigid PVC plate, yellow green. This product is considered to be a non-hazardous substance under OSHA hazard communication standard 29cfr 1910.1200	
Application area	Indoor and outdoor safety applications	
Thickness	1 mm (incl. adhesive)	
Luminous values	140/20 mcd/m ²	
Ingredients gas number	%ACGIH-TLV OSHA-PEL	
As inert dust (total)	2mg/m ³	ACGIN-TLV
	3mg/m ³	OSHA-PEL
Weight	1700 kg/m ³	
Melting point	Dissociates 150°C, this product will not burn.	
Solubility in water	insoluble	
Solvent / chemical resistance	Avoid contact with organic solvent, incompatibility: contact with acids	

Adhesive:

Temperature resistance	-40°C – +95°C	
Shear adhesion	Stainless steel according to DIN EN 1943, vers. 1996 at +23°C +/- 2°C: 40N/625 mm ²	
Peel adhesion	Stainless steel according to DIN EN 1939, vers. 1996 at +23°C +/- 2°C: 23N/25 mm	
Storage life	2 years (at 20°C and 50-70% humidity)	
Recommended application temperature	18°C – 35°C	
Application area	Textures, glas, wood, plastics, metal, paper/cardboard	
Solvent / chemical resistance	Resistant against chemicals and softeners, weather- and ageing-resistant	

Technical specification

Please note that technical specification can vary due to appliance and external circumstances.