

ORACAL®



Extreme



NEW

Now with 49 Metallic Colours

851

Premium Cast

	201 crocus yellow		816 papyrus		334 fire brigade red		549 dove blue
	216 traffic yellow		341 coral		348 scarlet red		555 glacier blue
	209 maize yellow		035 pastel orange		030 dark red		056 ice blue
	219 yolk yellow		332 deep orange		026 purple red		053 light blue
	020 golden yellow		333 pure orange		340 chestnut		547 fjord blue
	204 melon yellow		335 mars red		347 red coral		052 azure blue
	208 post office yellow		326 signal red		044 magenta		545 ocean blue
	019 signal yellow		032 light red		402 cyclamen		086 brilliant blue
	817 almond		324 blood red		409 pale lilac		546 velvet blue
	023 cream		359 tomato		043 lavender		509 sea blue
	804 beige brown		031 red		407 deep violet		544 indigo blue
	818 saffron		028 cardinal red		415 summer plum		067 blue
			305 geranium red		048 bordeaux		536 middle blue

	049 king blue		553 lagoon		060 dark green		730 simple grey
	511 night blue		628 sea green		622 fir tree green		724 ice grey
	065 cobalt blue		630 blue green		635 forest green		074 middle grey
	537 deep blue		601 lime green		820 golden brown		076 telegrey
	050 dark blue		602 grass green		811 sahara beige		721 slate grey
	564 light navy		062 light green		812 terracotta		071 grey
	570 moonlight blue		619 traffic green		810 cocoa brown		713 iron grey
	518 steel blue		603 mint green		079 red brown		073 dark grey
	571 mystic blue		604 cactus green		080 brown		
	501 mint blue		612 police green		070 black		
	502 blue turquoise		078 leaf green		010 white		
	503 water blue		625 moss green		109 Hull white		
					711 stone grey		

These films are also available in matt white, matt black and transparent.

	704 black metallic		092 copper		366 red gold		673 jade metallic
	093 anthracite		920 bronze		406 violet metallic		677 fir green metallic
	937 charcoal metallic		925 pale gold		190 moonlight metallic		678 autumn green metallic
	936 silicon		926 pyrite		191 green blue metallic		679 foliage green metallic
	934 zinc metallic		091 gold		192 deep blue metallic		680 steppe green metallic
	932 graphite metallic		919 gold metallic		189 midnight metallic		676 wood green metallic
	935 grey cast iron		922 brass		93 navy metallic		675 sea green metallic
	905 grey metallic		921 bronze antique		96 light blue metallic		637 teal metallic
	908 aluminium		923 light brown metallic		80 over blue metallic		674 mint metallic
	906 silver metallic		924 champagne		97 fire blue metallic		681 grey green metallic
	933 tin metallic		369 red brown metallic		94 sage grey metallic		
	090 silver grey		368 dark red metallic		99 mauve metallic		
	904 silver lake		367 red metallic		5 light blue metallic		

TECHNICAL INFORMATION · SERIES 851 · PREMIUM CAST METALLIC

Description

Cast metallic PVC film with outstanding dimensional stability and optimum cutting and application characteristics.
High gloss surface.

Release paper

Special silicone coated paper on one side, 137 g/m² paper which provides excellent waste stripping properties.

Adhesive

Solvent polyacrylate, permanent

Area of use

Specially developed for unproblematic use on cutting plotter systems for lettering, marking and decoration with extreme requirements for durability and solidity. Particularly suitable for high-quality vehicle and public transport system advertising.
Excellent conformability to rivets and corrugations.
High gloss finished surface is additionally suitable for thermal transfer printing (with resin ribbons).

Technical data

Thickness* (without protective paper and adhesive)	50 micron	
Dimensional stability (FINAT TM 14)	adhered to steel, no measurable shrinkage in cross direction, in length 0.1 mm max	
Temperature resistance	adhered to aluminium, -50°C to +110°C, no variation	
Seawater resistance (DIN 50 021)	adhered to aluminium, after 100 h/23°C no variation	
Resistance to solvents and chemicals	at room temperature 72h after adhesion to aluminium, short-term resistant to most oils and greases, fuels, ali- phatic solvents, weak acids, salts and alkalis	
Fire behaviour (DIN 75200)	adhered to steel, self-extinguishing	
Adhesive power* (FINAT TM 1 after 24 h, stainless steel)	18 N/25 mm	
Tensile strength (DIN EN ISO 527)	along: min. 19 MPa across: min. 19 MPa	
Elongation at break (DIN EN ISO 527)	along: min. 100 % across: min. 100 %	
Shelf life**	2 years	
Application temperature	min. +8°C	
Service life by specialist application under vertical outdoor exposure (normal climate of Central Europe)	bronze / brass / pale gold / pyrite	3 years
	champagne / red gold	5 years
	silver grey / gold / anthracite / graphite metallic	6 years
	all other colours	7 years

* average ** in original packaging, at 20°C and 50% relative humidity

Attention: Surfaces to which the material will be applied must be thoroughly cleaned from dust, grease or any contamination which could affect the adhesion of the material. Freshly lacquered or painted surfaces should be allowed to dry for at least three weeks and to completely cure respectively. The compatibility of selected lacquers and paints should be tested by the user, prior to application of the material. Furthermore the application information published by ORAFOL is to be considered.

* The statements in this information sheet are based upon our knowledge and practical experience. This data is intended only as a source of information and is given without guarantee and does not constitute a warranty. Due to the wide variety of possible uses and applications customers should independently determine the suitability of this material for their specific purpose, prior to use.

02/06

Description

High performance cast PVC film with outstanding dimensional stability and optimal cutting and converting characteristics. High gloss finished surface, additionally in matt white and matt black.

Release paper

Special silicone coated paper on one side, 137 g/m², which provides excellent waste stripping properties. For white vinyl a light blue silicone coated paper is used to form a stronger contrast to lettering.

Adhesive

Solvent polyacrylate, permanent.

Areas of use

Specially developed for unproblematic use on cutting plotter systems for lettering, marking and decoration with extreme requirements for durability and solidity. Particularly suitable for high-quality vehicle and public transport system advertising. Excellent conformability to rivets and corrugations. High gloss finished surface is additionally suitable for thermal transfer printing (with resin ribbons).

Technical data

Thickness* (without protective paper and adhesive)	50 micron
Dimensional stability (FINAT TM 14)	adhered to steel, no measurable shrinkage in cross direction, in length 0.1 mm max
Temperature resistance	adhered to aluminium, -50°C to +110°C, no variation
Seawater resistance (DIN 50 021)	adhered to aluminium, after 100 h/23°C no variation
Resistance to solvents and chemicals	at room temperature 72h after adhesion to aluminium, short-term resistant to most oils and greases, fuels, aliphatic solvents, weak acids, salts and alkalis
Fire behaviour (DIN 75200)	adhered to steel, self-extinguishing
Adhesive power* (FINAT TM 1 after 24 h, stainless steel)	18 N/25 mm
Tensile strength (DIN EN ISO 527)	along: min. 21 MPa across: min. 21 MPa
Elongation at break (DIN EN ISO 527)	along: min. 130 % across: min. 130 %
Shelf life**	2 years
Application temperature	min. +8°C
Service life by specialist application under vertical outdoor exposure (normal climate of Central Europe)	black / white: 10 years transparent / coloured: 8 years

* average ** in original packaging, at 20°C and 50% relative humidity

Attention: Surfaces to which the material will be applied must be thoroughly cleaned from dust, grease or any contamination which could affect the adhesion of the material. Freshly lacquered or painted surfaces should be allowed to dry for at least three weeks and to completely cure respectively. The compatibility of selected lacquers and paints should be tested by the user, prior to application of the material. Furthermore the application information published by ORAFOL is to be considered.

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The company is certified according to DIN EN ISO 9001:2000 and to DIN EN ISO 14001:2004

Deutscher Akkreditierungsrat



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