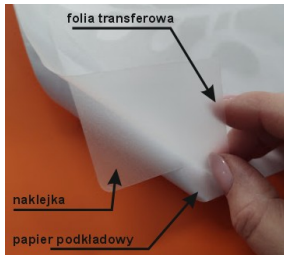


Naklejka wycinana z folii samoprzylepnej dekoracyjnej z efektem szkła mrożonego - Typ3



Producent:

Pracownia Dekoracji AKATJA Katarzyna Kwiel
26-200 Końskie ul. Różana 35 email: akatja@akatja.pl

Zamierzone zastosowanie:

Naklejka wycinana z folii samoprzylepnej typu „mrożone szkło” z folią transportową, przeznaczona do naklejania na gładkie, przezroczyste powierzchnie typu szyby, plexi.

Instrukcja montażu:

Odkleić naklejkę z folią transferową od papieru podkładowego, nanieść na żądane podłoże, usunąć folię transferową, zostawiając naklejkę. Nie używać substancji żrących, wybielaczy, rozpuszczalników.

Szczegółowa instrukcja dostępna jest na naszej stronie: <https://akatja.pl/content/13-jak-nakleic-naklejke-jednokolorowa-i-szablon-malarski>

Instrukcja używania i konserwacji:

Naklejkę można myć, wycierać miękką wilgotną szmatką z łagodnymi środkami myjącymi. W przypadku odklejenia się fragmentu naklejki należy go odciąć, usunąć z powierzchni podłoża. Nie używać substancji żrących, wybielaczy, rozpuszczalników.

Instrukcja utylizacji:

Folię transferową i papier podkładowy pozostałe po montażu, jak również naklejkę po okresie użytkowania i odklejeniu od podłoża - wyrzucać do pojemnika na segregowane tworzywa sztuczne.

Ostrzeżenia:

Nie należy zaklejać ust, nosa ani powierzchni ciała z włosami naklejką ani folią transferową. Po naklejeniu na powierzchnię, na którą produkt jest przeznaczony i prawidłowym użytkowaniu, producent na podstawie wieloletnich obserwacji własnych i Klientów stwierdza, że produkt jest bezpieczny w przypadku stosowania w dających się racjonalnie przewidzieć warunkach.

Dokumentacja techniczna:

Naklejka została wyprodukowana przy użyciu poniższych materiałów:

- folia Metamark Silver Etch MetaScape (klej kanalikowy)
- folia transferowa Oratape MT95

Proces produkcyjny w żadnym stopniu nie zmienia właściwości, bezpieczeństwa powyższych materiałów. Producenci i dystrybutorzy powyższych materiałów deklarują, że są one bezpieczne i nadają się do zastosowania w niniejszym produkcie.

Na kolejnych stronach znajduje się dokumentacja techniczna udostępniona przez producentów w/w materiałów.

Description

Transparent, polyethylene-based mounting film with a fine-pocked finished for the transfer of die-cut and computer-cut letters and symbols

Adhesive

Modified polyacrylate, medium adhesive strength

Area of use

The special composition of the polyacrylate adhesive enables unproblematic transfer of die-cut and computer-cut letters and symbols. Even after more than six months of application, without any considerable increase in adhesive strength, the tape can be easily removed without leaving a residue. The high tensile strength of the film ensures precise positioning. This mounting film is suitable for almost all well known types of glossy or matt-finished films.

Technical Data

Thickness* (film with adhesive)	155 micron
Weight* (film with adhesive)	110 g/m ²
Adhesive power* (FINAT TM 1, after 20 min, stainless steel)	2 N/25 mm
Tensile strength (DIN EN ISO 527)	Along: min. 25 MPa Across: min. 25 MPa
Elongation at break (DIN EN ISO 527)	Along: min. 500% Across: min. 700%
Shelf life**	2 years
Application temperature	> +10° C

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

IMPORTANT NOTICE

All ORATAPE® products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning ORATAPE® products is based upon research which the Company believes to be reliable although such information does not constitute a warranty. Because of the variety of uses of ORATAPE® products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. All specifications are subject to change without prior notice.

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Application to Plastics

Most plastics do not generally present a problem for the application of vinyl. However certain types of plastic substrate may present a problem as follows.

Substrate	Considerations
Flexible PVC (Banner)	Flexible PVC's such as banners and vehicle curtain sides gain their flexibility from the use of plasticizers, which are prone to migration, causing distortion of applied vinyl graphics. Use MetaFlex for application to banners, or curtain grade film for curtain sides.
Polycarbonates	Polycarbonates are prone to out-gassing and this gas can become trapped underneath the vinyl, forming unsightly bubbles.
Polypropylene	These are 'low energy' plastics, and adhesion may be limited.
Fibreglass	Ensure that the wax film used as a mould release agent is fully cleaned off, and also check to ensure that the material is completely cured

Application to Wood

Vinyl can be applied to wood, taking into account some precautions. The wood must be sealed, by paint or primer. It must be a smooth flat surface - the grain in wood can cause adhesion problems if it is too pronounced. Finally, ensure that any paint is correctly applied to avoid the vinyl pulling the paint off the wood.

Application to Glass

There are a number of precautions to be taken when applying vinyl to glass. Adhesion can be a problem in cold conditions, areas of high moisture, and where the glass has been cleaned with silicon based window cleaners. Use isopropyl alcohol to clean the window, and ensure the surface is warm before attempting application. With a wet application leave the graphics overnight before removing the application tape.

Avoid covering the windows with large areas of dark coloured vinyl. The vinyl can cause prolonged heat absorption and retention and can cause the glass to crack or explode. This is particularly of a concern with laminated glass, double glazing, and large areas of vinyl. The stress levels created in the glass are determined by its dimensions, the type of glass, orientation, colour of vinyl and a number of other factors so it is important that the installer determines whether applying the vinyl to glass is appropriate.

Application to Painted Surfaces

Sound painted surfaces are generally suitable for the application of vinyl although the paint must be fully cured before application. For vehicles a general guideline is to allow at least 5 days after painting before the application of vinyl, although this may be longer if the initial coats of paint have not been allowed to cure before the next coat applied.

Two pack paints on vehicles provide a more stable surface than cellulose paints, as the latter will continue to give off solvent whilst hardening, and this solvent can become trapped under the vinyl causing bubbling. A test application in a small area is recommended if you have any doubts about the quality of the paint finish.

Please Note: The above data is given in good faith to provide an indication of the performance of the product. Purchasers should consider the suitability of each product for its intended use and the purchaser assumes all risks in connection with such use. Seller shall not be liable for damages in excess of the purchase price of the product nor for incidental nor consequential loss.

Cutting

Initially perform a test cut on the material. Peel back the cut vinyl and check the cut to ensure that the blade has just marked the silicone layer of the release liner. Then look at the reverse (printed) side of the release liner and check that an impression of the cut is not visible on the reverse of the liner. If such a mark can be seen, the cut is too deep and can cause paper de-lamination when weeding as well as premature blade wear and damage.

It is important to remember that the choice of cutting weight and depth is dependent on the film type, with cast materials requiring the least pressure and speciality materials such as polyester and reflective vinyls the most. For general guidelines refer to the plotter's manual. Certain speciality materials such as fluorescent and reflective vinyls and sandblast vinyl will require a greater blade angle and a slower cutting speed, as will materials with a polyester face film.

Weeding

When weeding, short sharp snatches can often prove the cleanest method, particularly where text has sharp serifs. Correct cutting will save weeding time. Cutting and weeding can prove difficult in cold or hot conditions and it is important to weed the graphic shortly after cutting to avoid adhesive bleed that will make weeding difficult, particularly in hot conditions.

This polyester tinting film is suitable for application where one-way visibility is required for vehicle and architectural applications. The film relies on light differences to function, ie: visibility will be restricted from the side where there is a greater light level.

Application Method

The following is a recommended method for accurately aligning and applying sign vinyl decals.

Once the decal has been cut and weeded, and application tape applied, it can be offered up to the substrate and carefully aligned in its final position.

Apply a 50mm tab of masking tape to fix each end in place horizontally. Apply a third strip of masking tape vertically across the centre from top to bottom; the tape should extend above and below the decal and fix it to the substrate.

Start with the right hand side of the decal and cut or tear the 50mm strip of masking tape, leaving half on the substrate. Turn the right hand side of the graphic back on itself. Peel away the silicone release liner, cutting it at the centre point where the vertical masking tape fixes the decal to the substrate, and discard. When peeling decals away from the silicone release liner always try to keep them as flat as possible and peel back the release liner towards you. This will reduce the chance of damage to fine details or serifs.

The first half of the decal can now be lightly applied by holding it taught and using the two parts of the 50mm masking tape tab to align it perfectly. Squeegee down firmly.

Application Temperature

In cold conditions vinyl can become brittle and harder to cut, thus requiring unnecessary adjustment of the cutting depth. It can also make application difficult, as the initial adhesion of the vinyl will be reduced and the time taken for the adhesive to cure completely will be longer. The recommended application temperature for applying vinyls using a 'dry application method' is at least 10°C and for a 'wet application method' is at least 17°C. Application in temperatures below 5°C is not recommended.

When applying vinyl graphics to a vehicle in cold weather always try to work indoors and raise the temperature of the vehicle by using a fan heater inside with the vehicle doors open. When this is not possible, for example an exterior application in winter conditions, it is very important to make absolutely sure that the adhesive has established a good bond to the substrate.

The service temperature range stated in the technical data sheets for each type of vinyl is the recommended temperature when in use.

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MetaScape Crystal, Dusted, Silver Etch & Opal Haze

Premium Etch Glass Effect Films with MetaScape® Adhesive System



Product Description

For faster, trouble-free application of glass manifestation, MetaScape Etches offers ease of application by providing air with an exit route from under the graphic. MetaScape Crystal Etch, Dusted Etch, Silver Etch & Opal Haze films are polymeric calendered etch effect vinyls, specially formulated for producing fine window decals and manifestation. The 70 & 80 micron films and high quality release liner and adhesive provide fast cutting and easy weeding on all computerised sign making equipment. The vinyl is resistant to most mineral oils, fats and fuels, aliphatic solvents, mild acids, diesel, gasoline, paraffin, hydraulic oil, antifreeze, soap suds etc.

Features & Benefits

- Premium Grade Plotter Vinyl
- MetaScape Adhesives System allowing ease of application.
- Engineered to give long term dimensional stability.
- Metasure warranty up to 7 years.

Face Film		Finishes		
Face Film	Polymeric matt calendered PVC	Finishes Available	M7A-CR	Crystal Etch
Gauge	70 micron nominal (CR,DE,SE) 80 micron nominal (OH)		M7A-DE	Dusted Etch
			M7A-SE	Silver Etch
			M7A-OH	Opal Haze
Adhesive		Durability		
Type	MetaScape® permanent solvent-based acrylic with air channels.	Shelf Life	2 years. (10-20°C and 50% R.H).	
Adhesion to glass 20 mins	15N/25mm nominal	External weathering	7 years in vertical exposure under Northern European conditions.	
Adhesion to glass 24 hour	20N/25mm nominal	Fire Rating	Class B - BS EN 13501-1:2018 Class 0 - BS 476 pt7 (glass + Painted 3mm Aluminium)	
Perceived Tack	Medium	Chemical Resistance	Resistant to mineral oils, fats and fuels, aliphatic solvents, mild acids, salt and alkali for e.g. diesel oil, gasoline, paraffin, hydraulic oil, antifreeze, soap suds etc.	
Shear Strength	Medium to High	Regulations	REACH & RoHS compliant	
Application temperature	+10°C to +50°C			
Service temperature	-30°C to +110°C			
Light Transmission				
Crystal Etch	56%			
Dusted Etch	87%			
Silver Etch	69%			
Opal Haze	83%			
Release Liner				
Print	'MetaScape' print			
Weight	135 gsm nominal			
Type	Structured layflat kraft paper with PE coating			

Application

- For computer-cut etched glass effect graphics, and window manifestation.
- Suitable for dry application only.
- Apply unstressed, in particular to curves and recesses. It is not suitable for application over rivets or complex recesses.
- Multiple panels should be applied in the same direction.
- Not recommended to be applied between two sheets of glass.
- Not recommended for use on low energy surfaces such as polypropylene.
- The user should determine suitability of substrate.

MetaSure® Warranty

Metamark (UK) Limited warrants to its customers that completed decorative markings which utilise Metamark SignVinyl will remain in good condition without excessive fading or colour degradation for the specified life time of each material when correctly stored and applied in accordance with procedures outlined in the technical literature. If within the specified years of normal use Metamark SignVinyl becomes ineffective for its intended use, then Metamark will provide sufficient material to produce a new replacement marking, and will also, at its own discretion, contribute an allowance towards the costs involved in replacing the graphics. Please Note: The above data is given in good faith to provide an indication of the performance of the product. Purchasers should consider the suitability of each product for its intended use and the purchaser assumes all risks in connection with such use. Seller shall not be liable for damages in excess of the purchase price of the product nor for incidental nor consequential loss.

Metamark (UK) Limited

- Luneside • New Quay Road • Lancaster • LA1 5QP • Tel +44 (0)1524 387140
- Metamark House • Genesis Business Park • Albert Drive • Woking • GU21 5RW • Tel +44 (0)1483 571111

sales@metamark.co.uk
www.metamark.co.uk

classification report



Title:

CLASSIFICATION OF
REACTION TO FIRE
PERFORMANCE
IN ACCORDANCE WITH
EN 13501-1: 2007

Notified Body No:

0833

Product Name:

'Metamark
self adhesive vinyl film'

Report No:

170848

Issue No:

1

Prepared for:

Metamark (UK) Ltd
Luneside
New Quay Road
Lancaster
Lancashire
LA1 5QP

Date:

6th March 2008



T E S T I N G

1. Introduction

This classification report defines the classification assigned to, 'Metamark self adhesive vinyl film', in line with the procedures given in EN 13501-1:2007

2. Details of classified product

2.1 General

The product, 'Metamark self adhesive vinyl film', is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The product, 'Metamark self adhesive vinyl film', is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Self adhesive translucent vinyl film, bonded to a paper face plasterboard substrate.	
Trade name		'Metamark self adhesive vinyl film'	
Overall thickness of film		90 – 100 microns	
Overall weight per unit area of film		125g/m ²	
Colour reference		Any	
Self-adhesive film	Film	Trade name	'Metamark MT643'
		Generic type	Polymeric calendared vinyl film
		Name of manufacturer	See Note 1 Below
		Thickness	70 - 80 microns
		Weight per unit area	105g/m ²
		Flame retardant details	See Note 2 Below
	Adhesive	Product reference	See Note 3 Below
		Generic type	100% Acrylic
		Name of manufacturer	See Note 1 Below
		Thickness	20 microns
		Application rate	See Note 1 Below
		Application method	Knife on roller
		Flame retardant details	See Note 2 Below
		Post curing process if applicable (duration and temperature)	
Brief description of manufacturing process		Transfer coating on a reel to reel basis	
Substrate details		12mm paper faced plasterboard having a density of 800kg/m ³	
Air Gap Details		A 40mm ventilated cavity was situated between the reverse face of the plasterboard substrate and the backing board.	

Note 1 : The sponsor of the test has provided this information but at the specific request of the sponsor, these details have been omitted from the report and are instead held on the confidential file relating to this investigation.

Note 2 : The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product / component

Note 3 : The sponsor was unwilling to provide this information.

3. Test reports/extended application reports & test results in support of classification

3.1 Test reports/extended application reports

Name of Laboratory	Name of sponsor	Test reports/extended application report Nos.	Test method / extended application rules & date
Bodycote warringtonfire	Metamark (UK) Ltd	WF 170524	EN ISO 11925-2
Bodycote warringtonfire	Metamark (UK) Ltd	WF 170260, 170261, 170262, 170263, 170264, 170265	EN 13823
Bodycote warringtonfire	Metamark (UK) Ltd	WF 171049	EN/TS 15117

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN ISO 11925-2 (15s exposure - surface)	F _s	6	46.6	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (15s exposure – edge)	F _s	6	47.8	Compliant
	Flaming droplets/ particles		None	Compliant

EN 13823	FIGRA _{0.2MJ}	8	88.69, 76.78, 87.12, 89.80, 79.99, 90.63	Compliant
	THR _{600s}		1.48, 1.48, 1.51, 1.58, 1.48, 1.54	Compliant
	LFS		None	Compliant
	SMOGRA		17.23, 16.19, 8.34, 16.52, 15.92, 15.10	Compliant
	TSP _{600s}		67.46, 64.20, 51.13, 64.88, 62.27, 60.41	Compliant

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 8 of EN 13501-1:2007

4.2 Classification

The product, 'Metamark self adhesive vinyl film', in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s2

The additional classification in relation to flaming droplets / particles is:

d0

The format of the reaction to fire classification for construction products excluding floorings is:

Fire Behaviour		Smoke Production		Flaming Droplets
-----------------------	--	-------------------------	--	-------------------------

B	-	s	2	,	d	0
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i.e. B – s2 , d0

Reaction to fire classification: B – s2, d0

4.3 Field of application

This classification is valid for the following end use applications:

- i) Wall or Ceiling Applications used over any substrate with a density equal to or greater than 800Kg/m³, having a minimum thickness of 12mm and a fire performance of A2_{FL} or better.

This classification is also valid for the following product parameters:

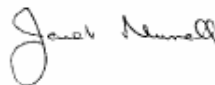
Product thickness	Between 90 – 100 Microns
Product weight per unit area	No variation allowed
Product colour	Any variation allowed
Product composition	No variation allowed
Product construction	No variation allowed

SIGNED



.....
Simon Ince
Technical Officer
Technical Department

APPROVED



.....
Janet Murrell
Technical Manager
Technical Department
on behalf of:
Bodycote warringtonfire

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