



Technical Data Sheet

StreetRap Protect

PRODUCT DESCRIPTION

StreetRap Protect is a product specifically developed for outdoor, short term Floor Graphics applications made with eg StreetRap printing media. Streetrap Protect will bring both a nice satin, sand structure finish to the print and the anti-slip resistance required for outdoor Floor Graphics applications.

This laminate can be rolled for easy transport or storage.

STREETRAP PROTECT

- is a 125 µ clear matt PVC film with a satin sand structured finish that helps eliminate glare and provides a very unique and pleasant finish.
- not only provides protection from abrasion and moisture; it also helps retard colour fade caused by ultraviolet light exposure.
- is approved by ASTM Friction Test D-2047-93 for slip resistance
- used in combination with the StreetRap printing media, it conforms well to exterior uneven surfaces like concrete pavement, bitumen....
- does not influence the pH level of substrate to which it is applied.

Construction

Vinyl: Satin sand structured PVC vinyl

Adhesive: Solvent-based acrylic, permanent, very clear.

Backing Paper: One side siliconized 90 gr/m² yellow unprinted paper.

Roll length : Standard 25 meter

PHYSICAL PROPERTIES

	<u>Average values</u>	<u>Test method</u>
<u>Adhesive</u>		
Quick Tack on glass (N/25 mm)	16	FTM 9
Peel 180° on glass (N/25 mm)		
- after 20 minutes	13	FTM 1
- after 24 hours	14	FTM 1
Gloss (85° angle)	10	ASTM D-523
Dimensional stability		
- MD	1 %	FTM 14
- CD	0.5 %	
Flammability	self-extinguishing	Sample mounted on aluminium ISO 534 (ASTM D 645)
Film + adhesive (μ)	150	
Spread of flame	Class 1	BS 476
Fire propagation	Class 0	BS 476

Roll length : Standard 25 meter

HEAT RESISTANCE

Application temperature range : + 15°C to + 30°C

End-use temperature range : - 30°C to + 70°C

For temperatures outside those quoted above, please consult your MACtac contact.

SHELF LIFE

3 years when stored at 15 to 25°C and \pm 50 % relative humidity.

DURABILITY

StreetRap Protect will give satisfactory performance up to 3 months when used in the production of outdoor floor graphics (please refer to MACtac Floor Graphics Brochure).

The durability does not relate to the image protected but only to the laminating film.

Note : *On the floor, the graphics can be damaged by heavy-duty equipment. MACtac cannot be held responsible for any damage caused in this way. The durability of a floor graphics also depends on the preparation, application, cleaning, usage conditions and also type of flooring.*

RECOMMENDATIONS

Storage : MACtac recommends that rolls be stored on end or suspended from the core.

Transport :

- allow the maximum amount of time after lamination, preferably overnight, before rolling for transport,
- roll the largest diameter possible, no less than 15 cm diameter,
- roll with the StreetRap Protect to the outside.

IMPORTANT NOTICE

All MACtac 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 MACtac products is based upon research which the Company believes to



CLIENT: Mactac Europe S.A.
Bd Kennedy, Zoning Industriel, Zone B
B-7060 Soignies, Belgium

Test Report No: 177:021215-01	Date: April 01, 2009
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SAMPLE ID: STREETRAP PROTECT

DATE OF RECEIPT: March 19, 2009

TESTING PERIOD: April 01, 2009

AUTHORIZATION: Client's Reference# 16027

TEST REQUESTED: The submitted sample was tested for Static Coefficient of Friction using equipment described in ASTM D2047-04 (Leather).

TEST RESULTS: Continued on the following pages

PREPARED BY: **SIGNED FOR AND ON BEHALF OF**
SGS U.S. TESTING COMPANY INC.

Robert Strzelecki, Technician
Building Materials Lab

Dominick Lepore, Manager
Building Materials

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CLIENT: Mactac Europe S.A.

RESULTS: STREETRAP PROTECT

STATIC COEFFICIENT OF FRICTION
ASTM D2047-04 (Leather)

<u>Condition</u>	<u>Specimen</u>	<u>Determination</u>	<u>Static Coefficient of Friction</u>
Dry	1	1	0.53
		2	0.54
		3	0.54
		4	0.56
	2	1	0.48
		2	0.54
		3	0.53
		4	0.54
	3	1	0.53
		2	0.53
		3	0.54
		4	0.54
	Sample Average		0.53
Wet*	1	1	0.46
		2	0.52
		3	0.54
		4	0.54
	2	1	0.54
		2	0.55
		3	0.54
		4	0.56
	3	1	0.54
		2	0.56
		3	0.54
		4	0.57
	Sample Average		0.54

*It should be noted the leather shoe was not intended for wet testing.

End of Report

*be reliable although such information does not constitute a warranty.
Because of the variety of uses of MACtac 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. The seller shall not be liable for damages in excess of the purchase price of the product nor for incidental or consequential damages.
All specifications are subject to change without prior notice.*