

Self-adhesive Digital Imaging Media for wide-format solvent-based inkjet Printing

StreetRap™

CONCRETE FLOOR GRAPHICS

PRODUCT DESCRIPTION

FACE MATERIAL : 85 μ white matt, calendered PVC film.

ADHESIVE : Permanent, aggressive clear acrylic.

LINER : PE Coated Kraft liner 160 gsqm .

TYPICAL USES

The product is designed for the production of outdoor sidewalk and parking lot floor graphics. It bonds well to flat or slightly rough, pedestrian traffic surfaces like concrete and asphalt.

Almost anywhere you have pedestrian traffic, StreetRap can present your message to customers, clients, visitors and employees:

Fairs, Trade Shows, Retail outlets, Convention Centers, Public buildings, Safety messages, Schools, Sport or Entertainment venues.

PRINTING

Eco-solvent or solvent based inkjet printing on wide-format printing equipment.

To achieve the best possible print quality, please make sure that the correct ICC profiles or printer settings are used. Profiles can be obtained from our Subsidiaries, Distributors or can be downloaded from www.mactacdigital.com.

Printer & Heater settings and ICC profiles are also downloadable from some of the OEM or software websites.

PHYSICAL PROPERTIES OF THE UNPRINTED FILM

| | <u>Average values</u> | <u>Test method</u> |
|--|---|--------------------|
| <u>Adhesive Data, 23°C</u> Quick Tack on glass Peel 24 hours on glass | 45 \pm 5 N/25 mm 32 \pm 3 N/25 mm | FTM 9 FTM 1 |
| <u>Dimensional stability</u> Shrinkage : 48 hours at 70°C (applied on aluminium) | max 1.0mm | FTM 14 |
| <u>Flammability</u> | Self-extinguishing applied on Alu panels | |
| <u>Temperature ranges</u> Minimum application temperature : Service temperature range : | + 10°C - 40°C to + 100°C | |

SHELF LIFE

2 years when stored at 15 to 25°C and \pm 50 % relative humidity (in the original packaging).

DURABILITY

The outdoor durability of the completed **StreetRap** is 3 months for pedestrian traffic on smooth surfaces and only when combined with **StreetRap Protect** textured overlaminating film that exceeds ASTM D2047 for slip resistance.

Mactac denies responsibility for product failure if non-MACtac laminating films are used for the application.

RECOMMENDATIONS

Always test the combination of JT 5000 products, inks and laminating films prior to commercial use.

Printing conditions

A conditioned pressroom, $\pm 23^{\circ}\text{C}$ and 50 % R.H.

Laminating conditions

Please ensure the print is perfectly dry. The printed material should be left to dry for at least 48 hours prior to lamination or transport.

Overlamination of the inkjet-printed material is required for slip resistant **StreetRap**.

Transportation conditions

To allow easy transportation, **StreetRap** can be rolled up, with the image on the outside, with a minimum diameter of 15 cm (for example on a 6 inches core).

To avoid exposing the print to any liquid aggressions, prints should be protected by a plastic bag. During the transport or storage of the prints, avoid exposing them to extreme temperature and humidity variations.

APPLICATION REQUIREMENTS:

1° The surface must be **absolutely dry**, clean and in reasonable good condition.

2° **StreetRap** must be applied in dry weather to a dry surface at temperatures above 10°C on days the temperature is expected to rise to at least 18°C . The weather should remain dry for minimum 24h after application to ensure adhesion build-up on the surface.

Heat helps the adhesive to flow to the rough surface to create a better bond. Do not attempt to apply graphics late in the day when the temperature is expected to cool down.

3° The rougher the surface the less contact the adhesive will have and the less chance your graphic has for success.

4° To clean the surface, use a brush or a stiff bristle broom to remove dirt and dust, sand and gravel or other loose contaminants. Do not use water or cleaners which will cause the surface to become wet.

5° Once aligned, pull back 5cm of the liner to expose the adhesive to align and start the application.

Remove 20cm of liner at a time and using a firm squeegee, short bristle brush or semi-hard roller with firm pressure, forcing the adhesive down into the surface. Make sure to eliminate air bubbles.

6° Bridge graphics over seams if needed but do not force the graphic down into the seam.

7° Once complete go back over all edges with firm pressure to make sure they are all in full contact to the surface.

8° If possible trim sharp corners to a rounded radius to help minimize edge lifting.

9° On rougher surfaces use heat and pressure to conform the graphic to the surface.

10° Do not have multiple layers of overlap on your graphic. This may result in trips, falls and injuries.

GENERAL REMARK : factors affecting adhesion

To ensure application suitability - always test the proposed construction under actual application and end-use conditions before going into full production.

The following factors will adversely affect adhesion of a pressure-sensitive adhesive:

- * Dusty, dirty, oily or oxidized surfaces
- * Application below the minimum application temperature or use outside of the recommended service temperature ranges.

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 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.



StreetRap + StreetRap Protect Applicazioni su asfalto e cemento

Lo **StreetRap** è un film in PVC bianco adatto per la produzione di grafiche al suolo ("Floor graphics") su marciapiedi e nei parcheggi.

Assicura una buona adesione su superfici lisce o leggermente ruvide, come il cemento e l'asfalto.

Lo **StreetRap Protect** è un film trasparente testurizzato **ideato per la laminazione dello StreetRap**.

Offre una resistenza allo scivolamento secondo la norma ASTM D2047

Dove applicare il Floor Graphic?

Praticamente ovunque c'è traffico pedonale, è il supporto ideale per messaggi a clienti e visitatori per trasmettere informazioni, dare messaggi promozionali o avvertimenti di sicurezza in fiere, negozi, centri riunioni, edifici pubblici, scuole, luoghi di divertimento o sportivi.

Durata: Il Floor Graphic realizzato con lo StreetRap ha una durata di 3 mesi all'esterno a condizione che sia abbinato al film di protezione StreetRap Protect.

Come applicare il Floor Graphic?

1. La superficie (asfalto o cemento) deve essere perfettamente asciutta, pulita ed in buone condizioni.
2. Il Floor Graphic (**StreetRap + StreetRap Protect**) deve essere applicato con tempo secco, su una superficie asciutta e non umida; la temperatura di applicazione deve essere superiore a 10°C, l'ottimale sarebbe poi avere nel corso della giornata dopo l'applicazione una temperatura che arrivi a 18°C minimo. Per permettere di sviluppare l'adesione massima dell'adesivo sulla superficie, il tempo deve rimanere secco per un minimo di 48/72 ore dopo l'applicazione.
3. Più la superficie è ruvida, e meno contatto avrà l'adesivo, aumentando quindi il rischio che l'applicazione non dia un impatto visivo soddisfacente (sollevamento).
4. Per pulire la superficie, utilizzare una spazzola o una scopa con setole rigide per togliere lo sporco, la polvere, la sabbia e la ghiaia, o altri agenti contaminanti. Non usare acqua o detersivi che renderebbero la superficie umida.
5. Dopo aver allineato la grafica, rimuovere 5 cm di liner in modo da esporre l'adesivo e iniziare l'applicazione. Togliere 20 cm di liner alla volta e utilizzare una spazzola rigida, una scopa a setole corte o un rullo semirigido con una pressione decisa, per far penetrare l'adesivo dentro la superficie. Assicurarsi che siano eliminate tutte le bolle d'aria.
6. Far passare la grafica sopra ad eventuali raccordi nel substrato se è necessario, ma non forzarla spingendo dentro ai raccordi.
7. Finita l'applicazione, ripassare sui bordi con una pressione decisa per assicurarsi che siano tutti in totale contatto con la superficie
8. Se è possibile, tagliare gli angoli acuti e dargli una forma tonda, per ridurre il rischio di sollevamento dei bordi.
9. Sulle superfici molto ruvide, utilizzare calore e pressione per meglio conformare la grafica al substrato.
10. Non sovrapporre diversi strati di film. Questo potrebbe far inciampare e provocare cadute e ferite.