

Technical Data Sheet

StreetLam

PRODUCT DESCRIPTION

StreetLam is a product specifically developed for short to medium term outdoor Floor Graphics applications made with StreetRap as print media. Thanks to its large abrasive particles bonded to a durable polymeric PVC matrix, StreetLam will bring to the printed image the high slip resistance required in exterior pedestrian walking areas.

STREETLAM

- is a 385 µm clear satin construction made from abrasive particles bonded onto a polymeric PVC
- helps eliminate glare and provides a very unique highly slip resistant finish.
- is rated as R12 according to DIN 51130 slip resistance test and rated as "low slip potential" according to BS 7976-2: 2002 Pendulum Test.
- not only provides protection from abrasion and moisture, it also helps retard colour fade caused by ultraviolet light exposure.
- when used in combination with StreetRap as print media, conforms well to exterior uneven surfaces like concrete pavement, bitumen....
- does not influence the pH level of substrate to which it is applied.
- has a high tack adhesive compatible with all digital inkjet inks (SB, ecoSB, latex...) even UV inks.

Note : as any flooring material, can be slippery when wet or dirty

PHYSICAL PROPERTIES

<u>Adhesive</u>	<u>Average values</u>	<u>Test method</u>
Quick Tack on glass (N/25 mm)	15	FTM 9
Peel 180° on glass (N/25 mm)	16	FTM 1
- after 20 minutes	18	FTM 1
- after 24 hours		
Gloss (60° angle)	8	ASTM D-523
Dimensional stability		FTM 14
- MD	<0.5 %	
- CD	<0.5 %	
Flammability	self-extinguishing	Sample mounted on aluminium
<u>Release liner</u>		
One side siliconized paper (gr/m ²)	135	ISO 536
Film + adhesive (µm)	520	ISO 534 (ASTM D 645)

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 MACTac.

SHELF LIFE

2 years when stored at 15 to 25°C and ± 50 % relative humidity.

EXPECTED DURABILITY

The expected vertical outdoor durability of the unprocessed product in Central Europe (Zone 1) is up to 12 months. This information is based on successful real life experience and artificial aging according to ISO4892-3. Outdoor floor graphics made with StreetRap/StreetLam are considered as slip resistant for at least 6 months outdoor under medium pedestrian traffic.

Note : *Exposure to severe temperatures, ultra-violet light as well as conditions in Southern European countries, tropical, sub-tropical or desert regions will cause more rapid deterioration. This also applies to polluted areas, high altitude and south facing exposure. No durability warranty is given for horizontal exposure. For more information, please refer to Technical Bulletin 7.5: "Outdoor Durability of combined MACtac print media and laminates".*
On the floor, the graphics can be damaged by vehicles or 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

Streetlam should be maintained clean to keep its slip resistance.

Storage : MACtac recommends that rolls be stored on end or suspended from the core. Small dust particles can be created by abrasion of the product on itself during storage.

Lamination : always clean properly with a soft textile the laminator rolls after having used StreetLam as small dust particles can fall from the face of the product.

The use of flat bed laminator is not recommended to laminate UV prints as the pressure is not sufficient to avoid silvering.

Application: as StreetLam has a very rough and abrasive surface, squeegees will age rapidly. A felt one is recommended for the application of the StreetRap/StreetLam floor graphics. Wearing soft tissue gloves is also recommended to avoid skin abrasion upon application.

Please refer to Technical bulletin 4.16 : "Application guide Outdoor Floorgraphics : StreetRap & StreetLam".

The adhesion of the StreetRap/StreetLam complex will be increased if a primer is coated on to the floor/pavement before application. Always test the primer onto a non visible area.

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 StreetLam 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 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.*