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## **Drytac Overview of**

## FLOOR GRAPHICS

We Keep You Safe. We offer the correct ratings and insurance backed warranties to make your life easier. With hundreds of certifications on our print media and laminates we'd be happy to help you plan your next project.

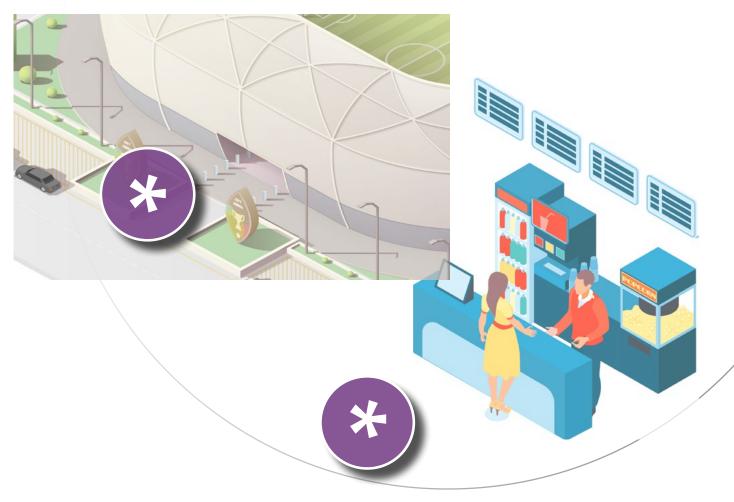


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## **Indoor/Outdoor Smooth Concrete and Brick**



## Polar Grip with Interlam Pro Emerytex

Two part, fire and slip-rated combination designed for floor graphic use on a variety of smooth outdoor surfaces.

- ✓ Long Term Up to 12 Months Outdoor
- Installed By Experienced Installer
- Low Slip Potential 36 PTV

## Polar Street FX

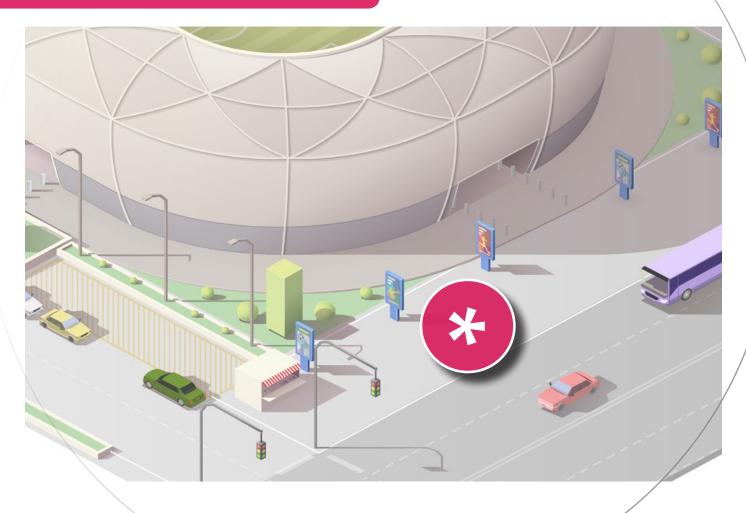


One part, fire and slip-rated floor graphic engineered for rough outdoor floor surfaces.

- Long Term Up to 12 Months Outdoor
- ✓ Installed By Experienced Installer
- ✓ Low Slip Potential 72 PTV

## **Drytac Product for**

## **Outdoor Tarmac**



## Polar Street FX



One part, fire and slip-rated floor graphic engineered for rough outdoor floor surfaces.

- € Long Term Up to 12 Months Outdoor
- ✓ Installed By Experienced Installer
- **⊘** Low Slip Potential 72 PTV

## **Drytac Products for**

## **Indoor Carpets**



One part, no lamination needed, fire and slip-rated floor graphics for public spaces.

- Short-Term Up to 6 Months Indoor
- Installed By Any Employee
- 🗸 Low Slip Potential 40 PTV

## FloorTac Plus with Protac ScuffGuard

Two part, fire and slip-rated combination designed for floor graphic use on a variety of surfaces.

- Mid-Term Up to 9 Months Indoor
- ✓ Installed By Experienced Installer
- Moderate Slip Potential 32 PTV

## Polar Floor PET 170

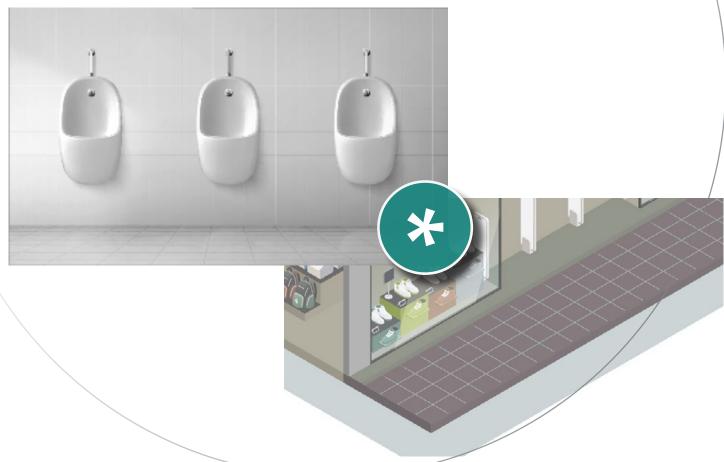


One part, no lamination needed, fire and slip-rated PVC-free floor graphic material.

- Short-Term Up to 6 Months Indoor
- 🗹 Installed By Experienced Installer
- Low Slip Potential 38 PTV

## **Drytac Products for**

## **Indoor Tiles**



## SpotOn Floor 200

One part, no lamination needed, fire and sliprated floor graphics for public spaces.



Short-Term - Up to 6 Months Indoor



Installed By Any Employee



Low Slip Potential - 40 PTV

## FloorTac Plus with Slip-Rated Overlaminates

Two part, fire and slip-rated combination designed for floor graphic use on a variety of surfaces.



✓ Interlam Pro Emerytex: Long-Term; 12 Months Indoor



Protac ScuffGuard: Mid-Term; 9 Months Indoor Protac FloorTex: Short-Term; 6 Months Indoor



Installed By Experienced Installer



Please see page 10 for slip-ratings

## Polar Floor PET 170



One part, no lamination needed, fire and slip-rated PVC-free floor graphic material.



Short-Term - Up to 6 Months Indoor

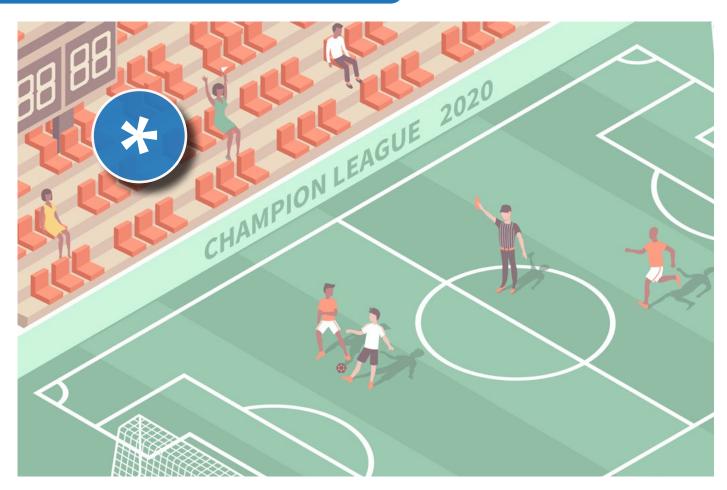


Installed By Experienced Installer



Low Slip Potential - 38 PTV

## Indoor/Outdoor Steps & Seats



#### **STAIRS**

## Polar Street FX



One part, fire and slip-rated floor graphic engineered for rough outdoor floor surfaces.

Long Term - Up to 12 Months Outdoor

Installed By Experienced Installer

Low Slip Potential - 72 PTV

#### **BONUS PRODUCT HIGHLIGHT: SEATS**

### ReTac Smooth 150

Install, reposition and remove cleanly this fire rated white film - even years later



Long-Term - Up to 5 Years Outdoor



Installed By Any Employee

## Polar Grip with Interlam Pro Emerytex

Two part, fire and slip-rated combination designed for floor graphic use on a variety of smooth outdoor surfaces.



✓ Long Term - Up to 12 Months Outdoor



Installed By Experienced Installer



Low Slip Potential - 36 PTV

#### **FLOOR GRAPHICS SOLUTIONS**

WE KEEP YOU SAFE. In the UK, the Health and Safety Executive (HSE) only recognises slip ratings based on the Pendulum Test Method. This is in accordance with their assessment of slip resistance for flooring. It is extremely important that your supplier offers the correct ratings and insurance backed warranties. Here at Drytac, whatever your needs, from fire ratings to slip ratings to product liability insurance, we've got you covered. We work to certify our products to make your life easier. The last thing anyone wants is to create a health and safety risk. For more information, visit <a href="https://example.com/health-liber-li

## One Part Floor Graphic Solutions

#### SpotOn® Floor 200

- 200 micron printable textured monomeric PVC film
- Unique dot pattern removable adhesive
- Up to 6 months indoor durability
- Compatible with (eco) solvent, UV and latex wideformat inkjet printers
- Slip Rated
  - Low Slip Potential Dry: 64 Wet: 40 (EN 13036-4 Pendulum Test)
- Fire Rated
  - B1 (DIN 4102-1)

#### Polar® Floor PET 170

- 170 micron printable textured PET film
- Clear re-positionable adhesive
- Up to 6 months indoor durability
- Compatible with (eco) solvent, UV and latex wideformat inkjet printers
- Slip Rated
  - Low Slip Potential Dry: 65 Wet: 38 (EN 13036-4 Pendulum Test)
- Fire Rated
  - Class Bfl-s1 (EN 13501-1)

#### Polar® Street FX

- 250 micron printable textured white aluminium film
- High tack clear permanent adhesive
- Up to 12 months outdoor durability
- Compatible with (eco) solvent, UV and latex wideformat inkjet printers
- Slip Rated
  - Low Slip Potential Dry: 75 Wet: 72 (EN 13036-4 Pendulum Test)
- Fire Rated
  - Class 1 or A (ASTM E-84)

PTV Values

High Slip Potential: 0-24 Moderate Slip Potential: 25-35

Low Slip Potential: 36+



#### FLOOR GRAPHICS SOLUTIONS

## **Two Part Floor Graphic Solutions**

#### FloorTac™ Plus with Protac ScuffGuard

- FloorTac Plus: 90 micron printable white monomeric PVC film with a removable grey adhesive
- Compatible with (eco) solvent, UV and latex wide-format inkjet printers
- Combined solution up to 9 months indoor durability dependent upon proper installation and foot traffic
- Protac ScuffGuard: 150 micron textured monomeric
   PVC laminating film with a solvent acrylic adhesive
- Slip Rated
  - Low Slip Potential: Dry: 62
  - Moderate Slip Potential: Wet: 31 (EN 13036-4 Pendulum Test)
- Fire Rated
  - Class 0 (BS 476 Part 6 and 7)

#### Polar<sup>®</sup> Grip with Interlam<sup>™</sup> Pro Emerytex<sup>®</sup>

- Polar Grip: 80 micron printable white polymeric PVC film with a high tack grey adhesive
- Compatible with (eco) solvent, UV and latex wide-format inkjet printers
- Fire Rated
  - Class C-s1,d0 (EN 13501-1)
- Combined solution up to 12 months indoor & outdoor durability dependent upon proper installation and foot traffic
- Interlam Pro Emerytex: 100 micron matte pebble textured monomeric PVC laminating film with an acrylic adhesive
- Slip Rated
  - Low Slip Potential: Dry: 64 Wet: 36 (EN 13036-4 Pendulum Test)
- Fire Rated
  - Class 0 (BS 476 Part 6 and 7)
  - Combined Fire Rated: B<sub>fl</sub> s1 (EN 13501-1)

#### SpotOn® SynTac™ with Interlam™ EcoTex™

- SpotOn SynTac: 120 micron printable white PP film with a unique dot pattern adhesive
- Compatible with aqueous, (eco) solvent, UV and latex wideformat inkjet printers
- Combined solution up to 12 months indoor durability dependent upon proper installation and foot traffic
- Interlam EcoTex: 120 micron matte pebble textured PP laminating film with an aqueous acrylic adhesive
- Slip Rated
  - Low Slip Potential: Dry: 71
  - Moderate Slip Potential: Wet: 25 (EN 13036-4 Pendulum Test)

#### Other Drytac Floor Solutions

- Protac Floortex 200: 200 micron matte textured monomeric laminating film with solvent acrylic adhesive
- Slip Rated
  - Low Slip Potential: Dry: 72 Wet: 41 (EN 13036-4 Pendulum Test)

- Fire Rated
  - Class 0 (BS 476 Part 6 and 7)
- Protac Floortex 200 can be paired with Polar Grip or FloorTac Plus for a slip-rated floor graphic solution

**PTV Values** 

High Slip Potential: 0-24 Moderate Slip Potential: 25-35

Low Slip Potential: 36+



#### **FLOOR GRAPHICS**

With the surge in demand for floor graphics around the world, we have put together some frequently asked questions to ensure the supplier, the installer, and the application location are educated prior to printing.

#### What are slip-ratings and why are they important?

Slip ratings and certifications determine the suitability for a given product in a specific environment. They are important to keep consumers safe and avoid any potential hazards.

#### Why is it important to understand slip certifications?

It's important to fully understand slip certifications as this will have massive impact on the product you decide to use.

#### What different certifications are available?

In the UK and Europe there are 2 certifications used to rate the product and advise its suitability for floor applications.

#### DIN 51130:2010

Many European flooring manufacturers and floor graphics material manufacturers use ramp-type tests to classify the slip resistance of their products before sale. Such tests are generally carried out using German National Standard test method (DIN 51130:2010).

The DIN 51130 ramp test is designed to simulate the conditions commonly encountered in typical workplace slip accidents. DIN 51130 uses heavily soled EN:ISO 20345 safety boots with motor oil contamination.

The test method involves an operator walking forwards and backwards over a contaminated flooring sample. The inclination of the sample is increased gradually until the operator slips. The average angle of inclination at which slip occurs is used to calculate the slip rating of the flooring.

The result is based on the R (Ramp) scale which runs from R9 to R13, where R9 is a high risk of slip and R13 is the lowest risk. Floor surfaces that are classified by the DIN 51130 standard as R9 (or in some instances R10) could be slippery when used in wet or greasy conditions.

#### DIN 51130 R-Value Slip Resistance Classification

R Rating	R9	R10	R11	R12	R13
Slip Angle	6-10°	10-19°	19-27°	27-35°	35°+



#### **FLOOR GRAPHICS**

#### BS 7976-2 / EN 13036-4

The pendulum test is the subject of a British Standard, BS 7976-2:2002 and is also seen as EN 13036-4:2011. The method involves a swinging arm, with a rubber slider mounted on the end that sweeps over the test area.

There are two standard sliders, slider 96 (4S) represents average pedestrian footwear and slider 55 (TRL) represents barefoot floor conditions. The friction of the flooring has a direct and measurable effect on the Pendulum Test Value (PTV) given. The test is carried out first in dry conditions and then after contamination with water.

Research has confirmed that the Pendulum Test Value (PTV) is a more reliable and accurate method for evaluating slip resistance. As a result, the HSE (Health and Safety Executive) and many insurance companies have adopted this as a standard test method for assessing slip resistance.

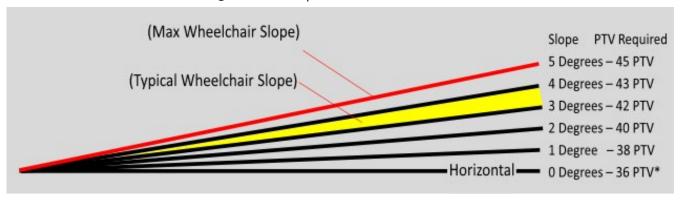
#### BS 7976-2 / EN 13036-4 Slip Resistance Classification

Pendulum Test Value (PTV)	0-24	25-35	36+	
Classification	High Slip Potential	Moderate Slip Potential	Low Slip Potential	)

#### **Inclined Surfaces:**

To enable a person to walk normally on a slope the floor surface will need to provide a higher level of friction. On a horizontal floor the HSE expects a Pendulum test value of 36 PTV on a wet or contaminated floor, but for every 1 degree of slope the PTV value must increase by approximately 1.75 PTV.

Example: If the slope was 5 degrees the additional value of 9 PTV is required (5  $\times$  1.75PTV) on top of the standard 36 PTV making 45 PTV required for that outside floor surface.



Using Slider 96 rubber gives enough information for assessing slipperiness for shod pedestrians. For assessing barefoot areas, Slider 55 rubber is used. (For profiled flooring it may be helpful to use both slider materials.)



#### FLOOR GRAPHICS

What test method is recognised by the Health and Safety Executive (HSE) in the UK?

In the UK, the Health and Safety Executive (HSE) only recognise slip ratings based on the Pendulum Test Method. This is in accordance with their assessment of slip resistance for flooring; this information can be found on HSE.GOV.UK - <a href="https://www.hse.gov.uk/pubns/geis2.pdf">https://www.hse.gov.uk/pubns/geis2.pdf</a>

#### Will the HSE be involved with any accident in the workplace?

Any accident in either a work or public place will involve the HSE, it is also important that a RISK assessment of the location is done prior to application.

#### Are falls caused by slips?

Contrary to common knowledge most falls are not caused by slips, but trips. So it's more important that any graphics are securely adhered to the surface and there is no lifting of edges which can cause a trip.

#### How to avoid material lift with floor graphics?

- Test to ensure the adhesive is suitable for the surface. Leave a small printed sample in the required location for 24 hours and check the adhesion.
- If laminating, make sure the Printable PVC has been left for suitable outgassing time after printing, then laminate.
- Make sure the graphics have rounded edges rather than sharper corners.
- CLEAN the floor/surface prior to application Dirt and contaminants will effect the adhesive bond strength to the floor/surface.
- Follow all instructions and guidance provided by Drytac prior to installation.

## Who is responsible to make sure the graphic material is suitable for the application and environment?

It is the responsibility of the installer to make sure that all graphic materials are suitable for application based on location and installed as per the recommendations of Drytac.





#### **FLOOR GRAPHICS**

#### Any other considerations?

• All floor graphic media will have a life span as recommended by the material manufacturer. Make sure the owner of the location is aware of the life span of the floor graphic material.

**IMPORTANT:** Floor graphics in higher foot traffic areas will be subject to more abrasion, so it is important that the owner or person responsible for the location has a suitable inspection and maintenance plan for the graphics. Any issues that could cause a hazard, please remove and replace as required.

 It is also the responsibility of your customer to remove any graphics that have come to the end of the product life according to the specifications of the sign maker and your materials manufacturer.

TIP: Print a small date or identification number on the graphic that can advise when the product needs to be replaced.

The installer must hold the correct employer, public and product liability insurance. In addition the product manufacturer also must have the correct product and public liability insurance. More specific information for the sign and graphics industry and advice can be provided by <u>Signelite.co.uk</u>.

Note: Each location may require a different minimum amount insurance cover, it is important that this is confirmed before installation.





## **Drytac Floor Graphic Systems**

# Warranty

Company Name:	End User Name:
Contact Name:	Location Address:
Email:	
Phone Number:	Application Location:
	Application Surface:
Product Specified:	
Product Batch Number:	
Batch PTV Values:	
Batch Printed PTV Values:	
Who Recommended The Product? Drytac	Dealer End User Other:
Type of Printer Used:	
Ink Type:	
Installer Name:	
Install Date:	
Liability Insurance	
All Drytac products have a public and product liability insu	urance to the value of £10 Million. It is important that all
independent installers, print providers and location owner	rs have their own public liability insurance in place.
Based on the above products specified and installed	on date applied above, Drytac recommends inspection
of these floor graphics to be reviewed by	and each month thereafter, and replaced on
or before, as this could invalidate	e any insurance liability/HSE protocols due to the stated
Drytac product life expectancy on each of floor prod	uct systems.
Signature	Date
By signing the above, I agree that I have read and ur technical specifications of floor graphics, legal respo	nderstand the various surfaces for floor graphics, nsibilities for floor graphics and how to properly install

Want to fill the form out online? Click here!

floor graphics from the specified application guide.



## **FLOOR GRAPHICS**

#### **Drytac Resources:**

We've complied several application videos and application guides to help make your life easier.



**Application Videos** 



**Application Guides** 

## What Does Drytac Do?

Drytac's unique adhesive science creates print media, protective films, and bonding tapes that deliver outstanding results. We engineer and manufacture solutions for you. We have the ability to create custom solutions to fit your exact needs. With various adhesive and film options we are sure to have the right fit for you.

#### Drytac Can Help.

Our knowledgeable and experienced staff would be happy to help! With offices, facilities and warehouses around the globe we can provide a solution in a fast and timely manner.

## Contact Us Today!

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