

Application Guide

Polar® SandTac Floor



Slip-Rated Single Part
Floor Graphic Solution



Short Term
Durability



Tools
Required



Dry
Application



Moderate
Application

For Floor Decals

Read the following instructions prior to application. Polar® SandTac Floor is designed for short-term, indoor non-slip floor graphics without the need for lamination. Drytac recommend the following guidelines are carefully read and followed to ensure a successful application. The end user / applicator is responsible for ensuring the film's suitability for the intended application. Always make time to test a printed sample on the intended surface prior to full production and installation.

Required Tools

- Stiff brush for cleaning
- Vacuum cleaner for surface preparation
- Soft edge squeegee for applying the graphic
- Soft cloth for decal cleaning

Types of Surfaces

The type of surface will have an impact on the adhesive bond, it is critical to understand the nature of the surface in order to avoid graphic failure or removal issues. This product is not suitable for rough or heavily textured surfaces due to reduced adhesion.

Surfaces Recommended for Application:

- Floor tiles
- Laminate flooring
- Short pile carpet *
- Sealed wood
- Waxed vinyl
- Marble
- Ceramic tiles
- Treated / sealed concrete

Surfaces Not Recommended for Application:

- Rough / untreated concrete
- Asphalt
- Stone
- Long pile carpets

Surface Preparation

The surface to which the floor decals are applied must be clean and dry. Check the surface is in good condition and does not have defects such as cracks, chips or other damage.

Prepare the surface for decal application with the following guidelines:

- Loose contaminants such as dirt or dust will reduce adhesion. To avoid premature failure use a vacuum cleaner or stiff brush to clean the surface.
- *Tip: If dirt persists use a suitable degreaser or cleaner and allow the surface to dry for 48 hours or to the manufacturer's guidelines.*
- The surface must be dry prior to application.
- Test a small sample prior to installation to insure ideal adhesion and graphic outcome. Let dwell for 2-3 days.



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Printing Recommendation

UV and Latex inks offer the greatest durability for floor applications. Due to the variance of solvent inks it is recommended scuff resistance is tested prior to installation.

Graphics should have a sufficient non-printed border and all corners should be rounded.

Tip: Drytac advises a 3mm minimum non-printed border.

Prior to application or cutting, prints must be sufficiently dried in order to prevent any negative effects on film or adhesion properties. In general, at least 24 hours (UV/latex inks) or 48 hours (eco-/mild solvent) of dry time should be sufficient, please refer to ink and machine manufactures guidelines.

When drying, the material should not be tightly wound on a core. The material should dry while loosely wound on a core or hanging as sheets in racks so the solvents can evaporate. Properly dried material is a must in order to benefit from each film's specific properties.

Floor Decal Application

- Using the hinge method, peel back the release liner about 10cm/4in exposing the adhesive and fold back release liner.
- Line up the decal in the desired location.
- Beginning from the top edge and working horizontally, use the squeegee with firm, overlapping strokes to apply the graphic.
- Gradually pull down the release liner while applying even pressure across the decal.
- *Tip: Move from the centre outwards to the edges to avoid trapped air.*
- Continue to remove the liner and apply the graphic in approximately 20cm instalments.
- Apply enough pressure to give a good bond between the adhesive and the substrate.
- Do not allow creases or bubbles to form.
- Go over the whole graphic and check there are no pockets of trapped air.
- Give edges an additional squeegee to ensure good adhesion and avoid lifting.
- *Tip: When doing a multi panel graphics use a butt join. Butt joins are graphic panels applied without overlaps.*

Cleaning Instructions

- Do not scrub or polish the graphic or its surrounding area for 24 hours after the graphic application.
- Clean with a soft cloth and water or mild detergent when the floor decal shows signs of dirt.
- Be sure to take care with exposed edges; chemicals and liquids can detrimentally affect adhesives if given the opportunity to ingress. Reduced adhesion could result in the decal lifting and cause a trip hazard.



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Decal Removal

Polar® SandTac Floor is designed to be removable and is intended to give a removable bond to various substrates. Removability may vary depending on the substrate and how it was prepared. Due to the wide variety of surface types and finishes, Drytac does not warrant against damage caused by graphic removal.

- To begin removal, pull the graphic away from the top edge at an approximately 120° angle. A knife maybe required to lift away the edge.
- Peel the graphic away slowly and continuously, maintaining the 120° angle, until it is removed.
- Do not use chemicals to aid removal, a heat gun can be used to make removal easier.
- The substrate below the graphic may have changed in appearance. This may happen due to improper cleaning prior to application, paint quality, exposure to heat and light, migratory additives, weathering or adhesive residue.
- *Tip: Isopropyl alcohol can be used to clean adhesive residue left after removal. Test a small area to make sure that the isopropyl alcohol has no lasting effect on the surface.*
- *Tip: Adhesive residue on carpet can be removed by using a stiff brush.*

Decal Durability

- Interior Floors: Up to 6 months. Dependant upon foot-traffic and proper installation.
- Polar® SandTac Floor holds multiply slip rating & certifications
 - R10 (DIN 51130)
 - PASS (ANSI A137.1/A326.3)
 - Fire Rating B1(DIN 4102-1)

This document provides information on how to apply floor decals. These instructions are designed to help ensure success across a broad range of applications. Depending on the size and complexity of the application, a specific level of expertise may be required. A more experienced applicator/installer may be needed for larger and more complicated graphics whereas a less experienced applicator/installer may be better suited for applying smaller poster-sized graphics. Large multi-panel graphics should be left to an experienced applicator/installer.

*If installed to carpet, the carpet installation surface must be short pile or tightly woven, minimal texture with a limited cushion. The carpet should be clean and dry prior to application. Due to the huge variance of carpet surfaces, materials and types along with pre and post chemical treatments, a test sample is mandatory prior to production and installation. It is important that all printer and ink manufacturer guidelines are followed. The Drytac limited warranty only covers for material defect, no returns or consequential losses will be accepted.

For more information, performance and warranty guidelines please contact your local Drytac office.

Please Note: Please refer to the TDS for more technical information. The technical information, recommendations and other statements contained in this document are based upon testing and experience Drytac believes to be reliable, but the accuracy and or completeness is not guaranteed. Drytac recommends a small test be performed to determine suitability beforehand. This document does not constitute a warranty of any kind.

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