ATP GUARD & PRINT FLOOR GRAPHICS

ATP introduces to the industry PRINT and GUARD anti-slip solutions for high quality point of promotion advertising for the wide format graphics industry.

ATP GUARD Anti-Slip Films:
Only the highest quality, European produced, heavy metal free, REACH compliant PVC films are used to guarantee the highest performance in terms of Anti-Slip properties with no compromise in terms of optical appearance. ATP GUARD films are specifically chosen to match with ATP PRINT films. For the absolute best performance ATP recommends both films to be used in conjunction with each other. They have been tested according to DIN 51130 for area of use suitability, ATP GUARD receives an excellent anti-slip rating of R9 (GL-412) and R10 (GL-420) offering a very wide range of uses. Furthermore ATP has also a non-PVC solution, which consists out of a structured PP film (GL-515), which meets the target of the antislip requirements according ASTM D 2047.

ATP PRINT Films:
The highest quality, European produced heavy metal free and REACH conform PVC films are used. The films are printable by Solvent, Eco Solvent, HP Latex and UV inkjet techniques; GP-412 wg R g offers the highest performance in terms of print quality and high opacity. ATP PRINT films are specifically chosen to match ATP GUARD films in terms of compatibility and performance. ATP recommends them to be used only in conjunction with each other. For the full PVC free solution also ATP has a development product in the range (GP-512 wg R g (SB-IJ)).

ATP Adhesives
ATP offers the most advanced and environmentally focused adhesives.
ATP’s solvent free adhesives offer un-compromising performance in terms of:
- Adhesion
- Ultra Low Whitening
- Ultra Low Silvering even with Cold Lamination
- Ease of Lamination and In-Situ Application

June 2012
ATP Print GP-412 wg
Gloss White Permanent
White Gloss Monomeric PVC
100 Microns
UV Enhanced (up to 4 years)
Available Widths: 1050;1370;1400;1520;1600mm

ATP Print GP-412 wg R g
Gloss White Removable
White Gloss Monomeric PVC
100 Microns
UV Enhanced (up to 4 years)
Available Widths: 1050;1370;1400;1520;1600mm

ATP Guard GL-412
100 Microns Textured PVC
R9 Anti-Slip Rating (DIN 51130)
High Clarity
3 Months Service Life
Available Widths: 1040;1300;1400;1550mm

NEW: GREEN FLOOR GRAPHIC SOLUTION

ATP Print GP-512 wg R g (SB-IJ)
Gloss White Removable
White Gloss, PVC- and plasticizer free
100 Microns
UV Enhanced (up to 2 years)
Available Widths: 1050;1370;1400;1520;1600mm

ATP Guard GL-420
170 Microns Textured PVC
R10 Anti-Slip Rating (DIN 51130)
High Clarity
6 Months Service Life
Available Widths: 1040;1300;1400mm

ATP Guard GL-515
120 Microns Textured PP-film (PVC free)
Anti-Slip certified acc. ASTM D 2047
High Clarity
3 Months Service Life
Available Widths: 1040; 1300mm
Anti Slip Testing

DIN 51130 is a test method that determines the amount of slippage on an oily surface when walked upon. Each material is then given an “R” rating that gives guidelines for areas of recommended use. A matched ATP Floor Graphics System gives the following ratings:

- Guard GL-412 : R9 Rating
- Guard GL-420 : R10 Rating

<table>
<thead>
<tr>
<th>R-Rating (DIN51130)</th>
<th>Areas of use (acc. BGR 181)</th>
<th>ATP GUARD FILMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>R9</td>
<td>Customer Areas – Financial Institutions Stairs in Schools General Entrance Halls (INDOOR) Pharmacies, Hairdressing Salons, Doctors Surgeries, Hospital (Flooring Area) Customer Areas – Stores and Supermarkets Restaurants (Service Areas)</td>
<td>GL-412</td>
</tr>
<tr>
<td>R10</td>
<td>Underground and Multi-Storey Car Parks Serving Areas for Unwrapped goods and Bakery Items Self Service Restaurants (Food preparing area) Sanitary Areas (Toilets)</td>
<td>GL-420</td>
</tr>
</tbody>
</table>

Test Method D2047 establishes a compliance criterion relating static coefficient of friction measurements of flooring surfaces with human locomotion safety. This laboratory test method covers the use of the James Machine for the measurement of the static coefficient of friction of polish-coated flooring surfaces with respect to human locomotion safety. The compliance criterion is based on extensive experiential data from residential, commercial, industrial and institutional walkway surfaces since 1942. Polishes and other floor maintenance coatings having a static coefficient of friction of not less than 0.5, as measured by this test method, have been recognized as providing nonhazardous walkways.

Anti Slip Selection

It is important that the customer selects the system which is suitable for the location and the volume of foot traffic. If in doubt please consult ATP about the use. ATP and its insurers offer a warranty in relation to the materials supplied being fit for purpose. A copy and details of this are available upon request.

June 2012
Removable or Permanent?
When deciding which printable vinyl to use, consideration to the area which the graphic is to applied should be given. The graphics are suitable for use on sealed concrete, ceramic tiles, heavy duty commercial PVC flooring, sealed wood, marble and linoleum. If these areas are to experience high amounts of foot traffic use of the permanent adhesive GP-412 wg is preferable, while flooring such as sealed hardwood, parquet with low foot traffic could require a removable product. ATP provides this information as a guideline only and accepts no responsibility for the selection in situ of the combined system. When in doubt please consult ATP and carry out relevant tests with samples and the flooring area.

Lamination and Installation
Before lamination of the printed films the prints must be completely dry in order to avoid inclusion of not evaporated solvents as well as rub-off of the image. Insufficient drying of printed films may damage the adhesive of the lamination film or cause bubbling. ATP Guard protection films can be cold laminated however in order to achieve better flow characteristics and to avoid silvering but we recommend lamination between 40°C and 60°C. After lamination the complete floor graphic should be stored for a few hours at room temperature in order to achieve end bond-strength. The laminated, unused rolls should be repacked in the original packaging to prevent dirt pick-up and ensure shelf life guarantee. The application of the laminated floor-graphic must be made to a smooth, clean floor surface using a squeegee. We recommend an overlap of the system’s laminate at the edges of at least 2cm. Check the edges and press them again forcefully against the floor after you have completed the application. Application to tufted carpets, carpet-tiles or rubber mats is not recommended. Prior to application of the floor-graphic the floor surface must be prepared by cleaning with a commercial cleaner and then washed with a suitable solvent such as isopropyl-alcohol (IPA). It is important to note that the cleaning solvent must be allowed to evaporate before application of the floor-graphic. Application temperature should be between 10°C to 40°C.

ATP Floor Graphics Maintenance
ATP’s floor graphic system can withstand daily cleaning with very mild soapy water; commercial buffers should be avoided as they can destroy the top surface. Use of commercial polishes which lessen the anti-slip properties should be avoided. The graphic should not be washed within the first 24 hours after application. During cleaning care should be taken to remove excess water, oils or solvents that may have collected around the side of the graphic. This excess could penetrate the graphic resulting in swelling of the adhesive or film. Scuffmarks on the floor-graphic can be removed using mild detergent and water or citrus cleaners.

Removing Floor Graphics
When removing the floor graphic, start at one corner and gently pull the graphic toward you at a 60° - 90° angle. It may help to use a hot-air dryer or metal scraper, but avoid excess scraping as this can easily damage your floor. The graphic should remove easily and with little or no residue of adhesive. The use of a citrus cleaner or solvent based cleaner (e.g. heptane) will assist with the removal of any adhesive residue.

To find out more: check out: www.atp-ag.com or info@atp-ag.ch

Note: All our products are subjected to a strict quality control by our QM System, which is in accordance with ISO/TS 16949. DIN EN ISO 9001 and DIN EN ISO 14001. The information is based on our present knowledge and our experience. Because of the large number of possible influences during the processing and application of our products, this information does not release the user from the obligation to conduct his own tests and trials. Users of our products are responsible for observing any patent rights that may exist and for following existing regulations. Our applications technology section is always pleased to give advice about suitability tests on original materials.

June 2012