

Neschen[®] FLOOR GRAPHICS Solution

UV dot print'n'walk

Neschen UV dot print'n'walk

Instructions for use

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1 General informations

The Floor Graphics Solutions usually comprises two main components, which are used as the basis for creating the advertising images for punctual eye catcher. Together these offer an easy and economic combination. These two components are a removable print media and a laminate which is successfully tested for floor graphics. The non-slip properties are tested by the Institute for Occupational Safety and Health of the German Social Accident Insurance (IFA) according to DIN 51130.

The Neschen **UV dot print'n'walk** is a revolutionary solution using only one directly printable substrate without additional laminating film. The non-slip resistance of **UV dot print'n'walk** printed on with Latex ink or UV-curable inks of the UV-printer EFI VUTEK GS2000 LX Pro has been certified according to the latest safety requirements (IFA) and therefore no additional laminating film is required.

2 Areas of application

According to the specifications put in place by the German employers' liability insurance associations, adhesives for use on flooring are placed on the same level as floor coverings.

As a result, there are special regulations in place for their use in work spaces, areas of operation and thoroughfares whose floors come into contact with slippery materials and where, therefore, a risk of slippage exists. The following listing doesn't guarantee any completeness. For information on other specific cases, please be so kind as to ask us about the requisite regulation for the planned application in advance.

These include general-purpose work spaces and areas of operation, entrance areas, stairways, break rooms, kitchens, dining areas, visitor areas, cafeterias (including operating and serving areas), cold storage rooms, showrooms, customer areas, point of sale areas, packing areas, services aisles, areas for medical diagnoses and therapy, massage rooms, operating theatres, stations with sick rooms and floors, medical practices, day clinics, chemists, laboratories, hair salons, laundry rooms, rooms with tunnel washing machines (wash pipes) or washing centrifuges, rooms for ironing and mangling, halls in financial institutions, entrance areas in schools and nurseries, recreational area floors, classrooms, common rooms and stairways.

As is normal for floor coverings, the **UV dot print'n'walk** becomes slippery when wet as well. To guarantee maximum safety, the **UV dot print'n'walk** should not be applied to areas which may become wet as a result of exposure to rain or snow. You are strongly advised to use doormats in entrance areas.

3 Surfaces for gluing

3.1 Recommended floor coverings:

- Wood laminate
- Ceramic tiles
- Marble
- Parquet
- Floor pavement
- High-quality PVC

Under unfavorable conditions, less-quality PVC floor coverings release high quantities of plasticizers, which can have a negative effect on the adhesive properties. Certain types of parquet flooring and wood laminates have a sealing varnish applied to them, which is not sufficiently compatible with pressure-sensitive adhesives. Please read the manufacturer's information in such cases.

Gluing onto floor pavement is only recommended in cases where the floor pavement surface is smooth and has no components which can become loose. When applying the film over joints between ceramic tiles, please observe the procedures particularized in the paragraph that follows ("Surfaces for gluing").

3.2 Surface treatment *

To ensure safety and prevent the subsurface from being damaged on removal, the **UV dot print'n'walk** has to be bonded on the entire surface. The floor covering must be in good condition and firmly fixed in place. Prior to gluing, we suggest carrying out the following steps:

- Ensure that the floor covering is firmly affixed to the subsurface. If this is not the case, the covering may lift off during removal.
- Repair any tiles that are, for example, loose-fitting or uneven.
- Clean the subsurface in accordance with the instructions below:

We recommend performing the following cleaning procedures:

- If there is evidence of any oily contaminants (or similar) on the surface, apply alcohol or a gentle solvent of a similar nature to it as a pre-cleaning procedure. Ensure that such contaminants have been completely removed before continuing with any other cleaning procedures.
- Following this, use a mild surfactant-based detergent. This should be free from enzymes. Ensure that the entire surface is cleaned, and that the detergent is removed without leaving any residue.
- The size of the cleaned surface should exceed that of the adhesive surface by at least 20 cm in all directions.
- Make sure that the floor is dry and clean. For drying purposes, only lint-free cloths should be used.

*** If this cleaning agent is used, the instructions for use provided by the manufacturer must be followed as closely as possible. Prior to use, the user of these chemicals must be aware of information on the labels, as well as the safety data sheets.**

4 Application of the UV dot print'n'walk on the floor

The **UV dot print'n'walk** can only be used on floors with temperatures of between 15 and 40°C. If floor heating is in place, it should be ensured that the heating medium does not exceed the stated temperature range. Generally speaking, this should not be the case with floor heating systems that are operated in the usual manner.

The **UV dot print'n'walk** should be glued down during periods when the material will be subjected to either no mechanical loads or as few as possible. As a result, it is recommended that application take place shortly before close of business, for example, and that the laminate be left to rest overnight. We recommend a "rest period" of at least 12 hours before carrying out the first mechanical cleaning procedure. However, it is possible to walk on the floor immediately. As is normal for floor coverings, the **UV dot print'n'walk** becomes slippery when wet. To guarantee maximum safety, the **UV dot print'n'walk** should not be applied to areas which may become wet as a result of exposure to rain or snow. You are strongly advised to use doormats in entrance areas.

Before gluing the **UV dot print'n'walk** onto floor coverings, please ensure that these are in perfect condition. Particularly in cases where the floor covering is not adequately fixed to the subsurface, the floor covering may be lifted off when the **UV dot print'n'walk** is removed. Loose tiles (or similar) must be repaired before the **UV dot print'n'walk** can be glued in place. The subsurface onto which the Floor Graphics Solution is to be applied should be as smooth as possible. Prior to gluing, thorough cleaning (as outlined above) must be performed as a matter of course. Applying the material to carpeted floors is not recommended.

- Gradually remove the release liner, applying the adhesive as it becomes exposed.
- Position the **UV dot print'n'walk** on the floor, which has been prepared as described above
- Avoid gluing the border areas over indentations or uneven parts such as gaps (or similar). If the laminate is being bonded onto tiles with deep gaps, apply a squeegee to each tile, working from the center outwards until you reach the gaps.
- Use a squeegee or hand roller to press the laminate firmly onto the subsurface, working from the center outwards. While doing this you should ensure that the entire graphic is glued down, and that no air bubbles are present. However the biggest advantage of **UV dot print'n'walk** is that it enables work bubble free even when applied by nonprofessional person.
- Ensure that direct contact cannot be made with the glued surface; or, if this is unavoidable, that contact is only made with lint-free gloves or hands that are clean, dry and grease-free.
- Avoid contact with the corners and edges, as these are the most important points for ensuring adhesion to the subsurface.
- Where possible, use a motif with rounded contours, since sharp corners and edges constitute weak points where removal may occur.
- Apply the motif as single eye catcher, as these materials can be affected by physically - determined dimensional fluctuation.
- If removal at the corners occurs as a result of heavy mechanical strain, these corners should be rounded wherever possible. Once the subsurface has been cleaned, the laminate should be reapplied with increased pressure.
- It is not necessary to seal the **UV dot print'n'walk** with floor wax or adhesive tape for the edges, but increases it's service life

5 Care

The **UV dot print'n'walk** is a high-quality product that has been developed over decades of experience in the field of floor coverings. As a result, it boasts outstanding properties in terms of its resistance to scratches, non-slip surface and reaction to soiling. Despite this, it is, of course, impossible to prevent soiling from occurring. Where wet surfaces are concerned, there is naturally a markedly increased risk of slippages occurring, although the system's properties in this respect fulfil extremely stringent requirements.

It is possible to perform cleaning from time to time using mild soap-based products diluted in water. After cleaning, ensure that the surface is completely dry before allowing it to be walked on again. Prevent the border areas from coming into contact with water for extended periods, since the adhesive used is an environmentally-friendly, water-based material whose adhesive properties may be diminished as a result.

Heavy, sharp-edged items that either move across the surface or are placed on top of it may lead to damage occurring. For this reason, avoid applying the **UV dot print'n'walk** in areas whose floors are exposed to heavy loads. The best locations for applying the **UV dot print'n'walk** are those which have normal levels of foot traffic.

6 In Cases where ...

... parts of the **UV dot print'n'walk** remain on the floor covering after it has been removed following an extended period of application, clean the remaining parts (after checking their compatibility with solvents and the floor covering).

Ideally, this should be done using benzine, but alcohol or ethyl acetate (ethyl ethanoate) may also be used*. Prior to removal, any floor heating systems that may be present should be switched off. By removing the tape at an optimum angle, the amount of necessary clean up will be reduced.

Small amounts of adhesive that may remain can also easily be removed by using the adhesive side of the film itself.

*** If this cleaning agent is used, the instructions for use provided by the manufacturer must be followed as closely as possible. Prior to use, the user of these chemicals must be aware of information on the labels, as well as the safety data sheets**

7 Lifetime

If these products are affixed in the proper manner and with the proviso that the instructions outlined here have been followed, we expect a lifetime for UV ink printed a durability up to three month by medium to high Foot Falls following application. For latex inks a shorter durability of approx. 1 to 2 weeks is estimated, but not guaranteed. In individual cases, the specified period may be extended.

8 Insurance in the event of damage

Should personal or material damages occur through the use of the UV dot print'n'walk, and it has been handled in the manner described in this document, these shall be insured to the sum of 10.5 million euros per claim. For more details, please contact our sales staff.

The specifications in these instructions are based on our knowledge and practical experience. Due to the range of factors which may affect handling and usage, it is essential to carry out your own tests. The specifications we have provided in respect of certain features do not constitute a legally binding warranty. We can assume no liability or provide any warranty in respect of using the films beyond that which is covered by the scope of this document.