

# Neschen<sup>®</sup> FLOOR GRAPHICS Solution filmolux<sup>®</sup> FGS R 11 Instructions for use

## Instructions for use

Hereby we introduce to you our **Floor Graphics Solution**, which you can use as an advertising media on floor coverings. This solution is the result of a seriously development and service to our customers. It offers – due to its certification even for wet barefoot walkways – new and until now unused flooring areas as information media as well.

In order to ensure an optimally result and application of this **Floor Graphics Solution** we kindly ask your to follow these instructions for use seriously.

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## 1. General information

This **Floor Graphics Solution** comprises two main components, which are used as the basis for creating the advertising images. Together these offer an easy and economic combination. The two components are a removable print media and a laminate which is successfully tested for floor graphics.

The cold lamination we recommend within this instruction for use is subject to continuous testing. It's non-slip properties and even the suitability for wet bare foot walkways have been tested successfully by the German Institute for Occupational Safety and Health of the German Social Accident Insurance (IFA).

## 2. Components for the Neschen Floor Graphics Solution

The first component – the removable print media – we recommend is:

**solvoprint easy 80 GSP removable** (also printable with Latex inks)

is a special PVC- film, 80µm, white, glossy with semi-permanent adhesive. The adhesive is easy to remove which is a basic requirement for **Floor Graphics Solution**.

The second component – the cold lamination film, which is needed to protect your print – we recommend to the following cold lamination film:

### **filmolux® FGS R 11**

a 140µm polymeric soft PVC, transparent, one-sided self-adhesive, satin matt with special grain finish. Our filmolux® FGS is certified by the Institute for Occupational Safety and Health of the German Social Accident Insurance (IFA) – class R 11.

Furthermore this cold lamination film passed successfully the DIN 51097 for wet barefoot walkways with slip danger. Therefore this film can be applied also on flooring areas which could become sometimes wet. These areas are e. g. shower rooms, dressing rooms, pool surrounds, saunas, restrooms, etc.

## 3. Manufacture of the laminate

To finish the floor graphic with a printed **solvoprint easy 80 GSP removable** or your own print media in combination with the above mentioned **filmolux® FGS R 11** you must follow the same principles when applying laminates on print media with permanent adhesives. Please be sure to allow sufficient drying time of the printed **solvoprint easy 80 GSP removable** or your print media before laminating or applying.

Furthermore, we ask you to follow our general Application Instructions for Mounting and Laminating in addition to the Technical Data Sheets of the chosen products.

## 4. 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.

Due to the R 11 certification and the certification for wet barefoot walkways now further advertising areas of this **Floor Graphics Solution** are opened, as e. g. shower rooms, dressing rooms, pool surroundings, saunas, restrooms, etc.

More detailed information surely can be given by the German Institute for Occupational Safety and Health of the German Social Accident Insurance (IFA), Alte Heerstraße 111 in 53757 Stankt Augustin, Germany ([www.dguv.de/ifa](http://www.dguv.de/ifa)).

## 5. Surfaces for gluing

### 5.1 Recommended floor coverings

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

Under unfavourable conditions, lesser-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 gluing over the gaps between ceramic tiles, please observe the procedures particularized in the paragraph that follows ("Surfaces for gluing").

### 5.2 Surface treatment\*

To ensure safety and prevent the subsurface from being damaged on removal, the **Floor Graphics Solution** 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.**

## 6. Gluing down the Floor Graphics Solution

The **Floor Graphics Solution** 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 **Floor Graphics Solution** 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 **Floor Graphics Solution** becomes slippery when wet. To guarantee maximum safety, the **Floor Graphics Solution** should be applied to areas which are protected e. g. by a roof or equal in order to avoid direct contact with continuous rain or snow.

Before gluing the **Floor Graphics Solution** 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 **Floor Graphics Solution** is removed. Loose tiles (or similar) must be repaired before the **Floor Graphics Solution** can be glued in place. The subsurface on 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 **Floor Graphics Solution** 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.
- 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 **Floor Graphics Solution** with floor wax or adhesive tape for the edges, but increases its service life

## 7. Care

The **Floor Graphics Solution** 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 **Floor Graphics Solution** in areas whose floors are exposed to heavy loads. The best locations for applying the **Floor Graphics Solution** are those which have normal levels of foot traffic.

## 8. In cases where...

... parts of the **Floor Graphics Solution** 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**

## 9. Guarantee

If these products are affixed in the proper manner and with the proviso that the instructions outlined here have been followed, we guarantee that it will be possible to remove the Floor Graphics Solution with virtually nothing remaining for at least 2 months following application. In individual cases, the specified period may be extended.

## 10. Insurance in the event of damage

Should personal or material damages occur through the use of the **Floor Graphics Solution**, 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.**