# Installation Guide Nature's Core





#### Prior To Installation

PlusFloor Nature's Core is ideal for interior flooring on all levels, whether above, at, or below ground, and it works well over concrete or wooden bases. Nature's Core is produced in accordance with ISO 9001:2000, a Quality Management System, and ISO 14001, an Environmental Management System. It is recyclable and compatible with underfloor heating.

#### Suitability

It is vital to carry out a calcium chloride test (moisture test) on all concrete floors. The test should be conducted at the room's perimeter, near columns, and where moisture may be noticeable. The concrete's moisture emissions should not exceed 5lbs/1000sf/24 hrs (2.27 kg/ 92.9sm/24 hrs).

If the concrete surpasses moisture limitations, the installation should be put on hold until the issue is resolved. Applying a concrete sealer from one of the available brands can rectify a moisture problem. After applying the sealer, re-test to ensure that the problem has been resolved. It's important to remember that a moisture test only reflects conditions at the time of testing. The flooring contractor cannot be held accountable if moisture appears in the future, leading to adhesive failure.

Please be aware that new concrete subfloors contain a significant amount of moisture and need time to dry. The drying duration depends on various factors, including the type of concrete, average air temperature, slab thickness, and location. The inclusion of fly ash in the concrete can have negative implications for adhesive performance in the long run. Please consult your representative before proceeding.

#### Storage and Handling

Throughout the initial moisture-testing phase, it is crucial to have Nature's Core at the job site to allow sufficient time for the product to adjust. Unpack the material and if feasible, spread it out to allow it to acclimate in the room where it will be installed, maintaining a consistent temperature of 18°-26° for 24 hours prior to installation. This temperature should be maintained during installation and for an additional 24 hours after installation.

#### **Subfloors**

- 1. For specific applications, Nature's Core can be installed over non-porous surfaces, existing vinyl floors, or in wet areas with the appropriate adhesive. It is advisable to seek guidance from your local agency.
- 2. All underlying surfaces must be structurally sound, firm, stable, level, plumb, and within a tolerance of ¼" in 10 feet (6 mm in 3 m) for floors. They should also be dry, clean, and free from dust, oil, grease, paint, tar, wax, curing agents, primers, sealers, old adhesive, or any detrimental substances and debris that may hinder adhesion.
- 3. Employ mechanical sanding, bead blasting, or scarification techniques to completely eliminate paint, loosely bonded toppings, loose particles, construction debris, old adhesive, and any contaminants that may impede adhesion.
- Prior to applying the surface product and/or adhesive, ensure that there are no traces of strong acids or alkalis on the substrate.
- 5. The underlying surfaces must be dry, and for concrete, the moisture emission should not exceed 5 lbs/1000sf/24 hrs (2.27 kg/92.9sm/24 hrs). For wood underlayment, the moisture content should comply with the requirements specified by the wood manufacturer and/or flooring manufacturer, typically around 8-10%, as determined using a "Wood Moisture tester."
- 6. In all instances, the structural design of floors must prevent deflection exceeding 1/360 of the span under live or dead loads.



#### **Concrete Subfloors**

- Concrete surfaces must be devoid of any sealer or curing compound. The substrate should undergo a
  curing period of at least 42 days and be tested for moisture emission using the anhydrous calcium
  chloride method. Prior to installing the floor covering, test results should not exceed 5 lbs/1000sf/24 hrs
  (2.27 kg/92.9sm/24 hrs).
- 2. Concrete substrates should be finished with a flat trowel, ensuring a sound, even, and level surface within a tolerance of ¼" in 10 feet (6 mm in 3 m) for floors.
- 3. Prior to commencing work, the installer is responsible for conducting a humidity test and providing written results to the general contractor and/or architect. The humidity test should be performed at least 96 hours (4 days) in advance, with results not exceeding 5 lbs/1000sf/24 hrs (2.27 kg/92.9sm/24 hrs) using the anhydrous calcium chloride test.
- 4. New concrete surfaces should be finished with a steel trowel. Concrete slabs at or below grade must have a moisture barrier with a permeance of less than 0.2 metric perms, following the ASMT-96 standard. This barrier should be resistant to deterioration and puncture during construction, maintaining its integrity and continuity.
- 5. Proper surface preparation products specified in subsection 2.1 must be used for repairing the concrete substrate. When self-smoothing surface preparation material is required, the concrete should undergo bead blasting or scarification. In the case of a fast-setting screed mortar or fast-setting polymer-modified premixed mortar, scarification of the concrete is necessary.
- 6. Prior to applying the surface preparation product or adhesive, neutralize any traces of strong acid or alkali.

#### Wood Underlayment

- 1. Particleboard, strand board, and flake board are not advisable for use as a substrate for Nature's Core.
- The plywood substrate and underlayment should be group 1, exterior-grade plywood, CC plugged or better, adhering to APA classification and U.S Product Standard PS 1-95, or classified as select or (SEL TF) COFI.
- The installation of wood underlayment must adhere to the ASTM F499-84 standard.
- 4. All wood underlayment should be new and allowed to acclimate to the job site conditions for a minimum of 24 hours before installation.
- 5. If necessary, the wood underlayment should be filled and patched to correct seams, cracks, indentations, and other subfloor irregularities using appropriate products. Recommended options include PLANI/PATCH: a fast-setting cement-based polymer-modified patching compound, and PLANI/PATCH PLUS: an acrylic latex additive for use with PLANI/PATCH. Other types of levelers, such as calcium sulfate/plaster/gypsum-based compounds, are not recommended.

#### **Old Substrates**

- Cement Nature's Core, ceramic tile, vinyl composition tile, and non-cushioned mineral fibrous felt-back sheet vinyl, if already in place, should be in a sound, solid, well-adhered, flawless condition. They must be thoroughly stripped or sanded clean, devoid of dust, wax, grease, soap residue, or any detrimental substances that may hinder adhesion.
- 2. When utilizing adhesive, Nature's Core can be installed over a single layer of non-cushioned resilient flooring if the following criteria are met:
  - a. The existing flooring must be fully adhered and firmly bonded.
  - b. The subfloor or underlayment beneath the existing resilient floor should meet the requirements for LVT dry-back flooring.
  - c. Any cuts, gouges, dents, or irregularities in the existing floor, as well as any embossing or texture, should be leveled to prevent telegraphing.
  - d. Embossed vinyl flooring must be adequately leveled using a polymer-modified, cement-based patching compound to ensure proper adhesion.



#### **Old Substrates**

- e. All waxes or finishes must be completely removed and thoroughly rinsed with clean water.
- f. If the existing floor has been installed over concrete below grade, one calcium chloride moisture test must be conducted for every 1000 square feet. The results of the test must meet the requirements of both the existing floor and Nature's Core. Moisture tests should be performed in an area where the existing floor and adhesive have been entirely removed.

#### **Adhesives**

- 1. When applying Nature's Core over porous subfloors like concrete or wood, it is essential to use adhesive approved by the dealer.
- 2. Similarly, when applying Nature's Core over non-porous surfaces, existing vinyl floors, or in wet areas, it is crucial to use adhesive approved by the dealer.
- 3. For specific application guidance, please consult your dealer.
- 4. Avoid installing over excessively cold concrete floors or radiant-heated floors with temperatures exceeding 85°F (25°C). Turn off radiant heating 12 hours before starting the installation.
- To ensure adequate adhesive coverage and achieve 95% transfer to the backing of the floor covering, use the recommended notched trowel size:
  - a. Harbinger S600 adhesive: 1/16"x1/32"x1/16"
  - b. Harbinger S21 adhesive: 1/32"x3/64"x13/64"
- 6. Work in small areas to ensure that Nature's Core is placed into the adhesive immediately before it starts to dry or form a skin. The working time for the adhesive is approximately 20 minutes under normal conditions. Position the plank in the adhesive without sliding, pressing firmly, and paying particular attention to the tile edges, corners, and staggered ends for an aesthetically pleasing result. Periodically check by lifting a tile to ensure that at least 95% of the adhesive pattern has transferred to the back of the plank or tile. If the adhesive starts to set or form a skin, remove it and apply fresh adhesive.
- 7. Nature's Core tiles must be installed in consecutive lot numbers when placed adjacent to each other.
- 8. After completing each section, roll the floor in both directions immediately using a 100 lb. three-section roller or a hand roller for smaller areas. Re-roll the entire area after one or two hours. Promptly remove fresh adhesive smudges with a clean cloth dampened with water, and use mineral spirits for dried adhesive.
- 9. Ensure that all tile and planks are kept free from regular foot traffic for 24 hours following installation.
- 10. Refrain from washing or polishing the floor for a minimum of 48 hours after installation.
- 11. The manufacturer or supplier cannot be held liable for any loss, damage, or complaints if the specific installation procedure outlined in this guide is not followed.

#### **Protection**

- 1. Take precautions to safeguard the floor covering installation from dirt and interference by other trades.
- 2. Wait for a minimum of 24 hours after completing the work before allowing any traffic on the installation.
- 3. Refrain from thorough washing of the floor with water for the first 30 days. Instead, use a damp mop during this initial month to allow the adhesive to cure properly.
- 4. The temperature and humidity levels during and after the floor covering installation will directly impact the drying time of the adhesive. Therefore, maintain a room temperature of at least 65°F (15°C) and a relative humidity of no more than 65% for a period of 72 hours following the completion of the work.

All PlusFloor floors should be installed by a skilled and competent installer who will consider the unique circumstances of each site. The PlusFloor warranty will be applicable only to floors that have been installed by a competent flooring installer conforming to the standards comparable to BS8201 in the UK or an equivalent standard worldwide.

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#### Installation of the Patterns

#### **Underfloor Cooling**

Formation Plank flooring is suitable for installation over floor cooling systems. However, it is important to ensure that the supply temperature of the cooling water does not fall below the dew point temperature. To prevent condensation and potential damage to the adhesive and floor covering, it is recommended to maintain the temperature of the subfloor at least 3 degrees above the dew point. Keeping the subfloor temperature above the dew point helps to avoid the Formation Plank of moisture on the surface. It is crucial to adhere to these guidelines to maintain the integrity of the installation and the longevity of the Formation Plank flooring.

#### Required Expansion Gap

Formation Plank flooring is compatible with floor cooling systems. However, it is essential to ensure that the supply temperature of the cooling water does not drop below the dew point temperature. Maintaining the subfloor temperature at least 3 degrees above the dew point is crucial to prevent condensation. Temperatures below the dew point can lead to moisture accumulation, which can be detrimental to the adhesive and the floor covering. To protect the integrity of the installation and preserve the quality of the Formation Plank flooring, it is vital to adhere to these temperature guidelines.

#### Installation Methods

Formation Plank flooring offers various installation methods to accommodate different preferences and requirements. The following are the commonly recommended options:

- Semi-looselaid on a tackifier/release adhesive (preferred option): This involves using a tackifier or release
  adhesive to partially secure the Formation Plank panels. It offers stability while still allowing for some
  flexibility and ease of removal if needed.
- 2. Fully looselaid using PlusFloor adhesive tabs: This method involves using adhesive tabs provided by PlusFloor to connect the panels together. It is suitable for smaller areas, and the maximum length and/or width should not exceed 5 meters.
- 3. Fully adhered to the subfloor with a permanent adhesive: This method requires using a permanent adhesive to fully adhere the Formation Plank flooring to the subfloor. It provides maximum stability and is suitable for high-traffic areas or where extra durability is desired.
- 4. Adhered to a looselaid underlay: In this method, the Formation Plank flooring is adhered to a looselaid underlay, which is placed on the subfloor. The underlay provides additional cushioning and stability.
- 5. Adhered to an underlay which is adhered to the subfloor: This method involves using an underlay that is adhered to the subfloor, and then the Formation Plank flooring is adhered to the underlay. It offers enhanced sound insulation and comfort.

It's important to note that for any alternative installation methods not mentioned here, it is advisable to seek technical advice directly from PlusFloor to ensure proper guidance and compatibility with the product.



#### Installation of the Patterns

#### Semi-looselaid on a Tackifler/Release Adhesive (Unlimited m2)

For the semi-looselaid installation method using a tackifier/release adhesive, the following steps should be followed:

- 1. Ensure that the Formation planks or tiles are laid without tension, allowing them to be positioned smoothly and securely.
- 2. Butt the Formation planks or tiles continuously against each other, creating a seamless appearance. Make sure they are also firmly pressed against the walls or plinths.
- 3. Apply a recommended tackifier/release adhesive evenly over the entire subfloor. The adhesive should be spread in the right amount to ensure proper bonding.
- 4. Allow the adhesive to tack-off, which means letting it reach its initial bonding strength. The specific open time required will depend on the adhesive being used. Refer to the adhesive's specifications or instructions for more information.
- 5. Once the adhesive has reached the appropriate initial bonding strength, continue with the installation process, pressing the Formation planks or tiles firmly into the adhesive.

It is essential to consult the specifications of the adhesive being used for detailed instructions and to ensure that the chosen adhesive is suitable for the specific Formation Plank flooring and installation conditions. Following the adhesive manufacturer's recommendations will help ensure a successful and durable installation.

#### Advantages of Using Tackifler/Release Adhesive

Using a tackifier/release adhesive for the installation of Formation Plank flooring offers several advantages:

- 1. Reduced sensitivity to movement: The tackifier/release adhesive helps to minimize the effect of movement on suspended subfloors. It provides additional stability and reduces the potential for the Formation Plank flooring to shift or move, especially in areas with wheeled furniture or rolling loads.
- 2. Ease of installation and removal: The tackifier/release adhesive is user-friendly and straightforward to install. It allows for efficient and hassle-free application, saving time and effort during the installation process. Similarly, when it comes to removal, the adhesive can be easily detached, making it convenient for repairs or replacements.
- 3. Fast installation, even in occupied environments: The use of tackifier/release adhesive enables quick installation, making it suitable for projects where minimizing downtime is essential. It allows for immediate accessibility to the installed area, reducing disruption and inconvenience for occupants or users of the space.
- 4. Time and cost savings: The efficient and fast installation process facilitated by the tackifier/release adhesive helps save both time and costs associated with labor and project completion. The simplified installation method can result in overall project savings without compromising the quality and performance of the Formation Plank flooring.
- 5. Flexibility and easy access to the subfloor: The tackifier/release adhesive offers flexibility in terms of access to the subfloor. It allows for easy removal and repositioning of the Formation Plank flooring if necessary, without causing damage to the subfloor. This flexibility can be particularly advantageous for future modifications or renovations.
- 6. Easy repairs: In the event of localized damage or issues with specific areas of the Formation Plank flooring, the use of tackifier/release adhesive simplifies the repair process. The affected sections can be easily addressed and replaced without the need for extensive and time-consuming repairs.
- 7. Removability and reusability: The tackifier/release adhesive allows for the Formation Plank flooring to be removed without causing permanent damage to the subfloor. This feature is especially beneficial in situations where the flooring needs to be temporarily or partially removed, such as for maintenance or renovation purposes. The reusable nature of the adhesive provides added convenience and cost-effectiveness.



#### Installation of the Patterns

Overall, the use of tackifier/release adhesive offers practical advantages in terms of installation efficiency, durability, flexibility, and cost savings, making it a preferred choice for many Formation Plank flooring projects.

#### Fully Adhered Installation with Dispersion or 2-Component Epoxy/PU Adhesive

When installing Formation planks or tiles, it is important to lay them without tension, ensuring a continuous and snug fit against walls or plinths.

To achieve optimal results, the entire area should be affixed using the recommended adhesive, following the manufacturer's instructions. This adhesive fixation offers several benefits, including reduced sensitivity to movement on suspended subfloors, improved resistance to wheeled furniture or rolling loads, and increased durability in areas with temperature and humidity fluctuations.

The advantages of using a permanent adhesive include:

- Dispersion Adhesive: Suitable for all types of surfaces and areas with heavy use or moderate temperature variations. It can be combined with other areas that are installed using a tackifier/release adhesive.
- 2. 2-Component Adhesive: Ideal for areas prone to periodic wetting, such as entranceways, and spaces with significant temperature fluctuations, like non-temperature controlled conservatories or areas in front of large glass windows.

For any specific conditions, including installation suitability, underfloor heating compatibility, and the selection of the appropriate adhesive, please reach out to the knowledgeable PlusFloor Technical team.

#### **Recommended Overlay**

Consideration can be given to installing Formation Plank on an underlay in addition to the traditional methods of tackifying or direct adhesion to the subfloor. PlusFloor offers underlay options that cater to both looselay installation and improved acoustic performance. It is crucial to select an underlay that has been specifically tested and approved by PlusFloor for use with the floorcovering. Please note that PlusFloor disclaims any responsibility for non-approved combinations. It is important to adhere to the recommended and approved underlay options to ensure optimal performance and warranty compliance.

PlusFloor offers a Heavy Duty Use underlay designed to provide enhanced performance and durability. Here are some key features and benefits of the PlusFloor Underlay:

- 1. Improved sound insulation: The underlay is engineered to enhance sound insulation, achieving a sound reduction rating of b.Lw=15 dB when combined with a 5 mm IVC Commercial floorcovering.
- 2. Quick and easy installation: The underlay features a release foil and pressure sensitive adhesive film, ensuring convenient and efficient installation.
- 3. Compatibility with underfloor heating and cooling: The underlay is suitable for use with underfloor heating and cooling systems, allowing for efficient temperature management.
- 4. Excellent dimensional stability: The underlay offers excellent dimensional stability, helping to maintain the integrity and appearance of the Formation Plank floor over time.
- 5. Suitable for heavy rolling loads: The underlay is designed to withstand roller castor chairs and rolling loads of up to 250kg, providing reliable support and durability.

When using PlusFloor Underlay, you can expect improved acoustics, ease of installation, compatibility with underfloor heating, enhanced stability, and the ability to handle heavy rolling loads.



#### Installation of the Patterns

The PlusFloor underlay offers the advantage of smoothing out minor irregularities up to a maximum width of 5mm. This feature allows for installation over various existing floor coverings, including linoleum, compact PVC floors, wooden floorboards, and ceramic tiles (without crossing the joints). The underlay minimizes the visibility of subfloor irregularities, providing a smooth and even surface.

During installation, it is crucial to ensure that the floor has a minimum surface temperature of 18°C. Monitoring and recording these conditions throughout the installation process is highly important, and maintaining the records serves as evidence of proper installation conditions.

When installed on PlusFloor underlay, the Formation Plank flooring becomes a "floating" floor. In stable temperature conditions, a tension-free installation is sufficient, leaving a 1 to 2mm expansion gap at the perimeter of the room or area. For innovative solutions to cover the expansion gap, refer to the 'finishing your floor' section.

#### **Tools Required**

- Tape measure
- Chalk line/laser line
- Underlay Tabs
- Utility knife
- Pencil
- Roller minimum 50kg
- Set Square
- Tackifier or adhesive

#### **Recommended Overlay**

Install the PlusFloor underlays by placing the sheets next to each other without leaving gaps, ensuring that the edges are in direct contact. The underlays should be positioned perpendicular (at a 90° angle) to the direction in which the new floorcovering will be laid. In cases where the underlay has a printed side, make sure to lay it with the printed side facing up.

It is not necessary to fasten or attach one sheet to another. Once the underlays are properly laid, you can proceed with installing your new floor following the provided fitting instructions. It is important to note that using adhesive should be discussed with the technical services of PlusFloor beforehand. They can provide guidance on whether adhesive is required and the appropriate type to use for your specific installation.

### **General Steps**

The installation method described in the section "Installation methods" involves laying the Formation planks or tiles in a semi-loose laid manner using a tackifier/release adhesive. The planks or tiles are laid without tension and are continuously butted against each other and the walls or plinths.

To achieve this, the entire area should be adhered with the recommended tackifier/release adhesive. The adhesive should be spread evenly over the subfloor, allowing it to tack-off until it reaches its initial bonding strength. This method reduces the sensitivity of the Formation Plank to movement on suspended subfloors and provides greater resistance to wheeled furniture or rolling loads.

It is important to consult the specifications of the adhesive being used for further information and to follow the manufacturer's recommendations.



#### **General Steps**

**Step 1:** Determine the installation direction of the PlusFloor flooring and mark a straight line parallel to the longest wall. For adhered installation, proceed to step 2. For loose-laid underlay installation, refer to the section "installation of loose-laid underlay." For adhesive tabs installation, refer to the section "installation methods."

Step 2: Create a section to be glued, typically around 5 rows wide. Read the manufacturer's instructions before using the adhesive.

**Step 3:** Apply the adhesive evenly on the subfloor and let it tack-off until it reaches its initial bonding strength. Consult the adhesive specifications for more details.

**Step 4:** Lay the planks or tiles in the tacked-off adhesive, following the direction of the backing arrows. Use a new panel for each row and avoid using leftover pieces from the previous row. Cut the planks or tiles without tension against the wall or skirting. Only apply adhesive for a manageable section at a time.

Step 5: Press each plank or tile firmly into the adhesive with a rubbing block or hand roller for full contact.

Step 6: Remove excess adhesive with a damp cloth.

Step 7: If using full contact adhesive, immediately roll each section with a minimum 50kg flooring roller in different directions during the adhesive working time.

Repeat steps 2 to 7 until the entire installation is completed.

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## Nature's Core Cleaning and Maintenance Guide



#### Cleaning and Maintenance Guide

Effective maintenance is essential for preserving the appearance and longevity of a Formation Plank floor. The frequency of maintenance depends on factors such as traffic, soiling, floor color, and type.

Here are 5 key points for effective maintenance:

#### **Preventive Measures**

Taking preventive measures is crucial in maintaining a Formation Plank floor's quality and appearance. This includes selecting the appropriate floorcovering and design/colour for specific areas. For high traffic areas near entrances, it is advisable to avoid extremely dark or light colours.

To prevent scratching from furniture feet, utilize wide, free-moving castors, glides, rollers, or pads. Additionally, consider using furniture caps or protective materials under heavy items or appliances to prevent indentation.

It is important to avoid rubber or latex backed mats and furniture feet as they can leave permanent stains on the floor. Exposure to UV light can also cause color variation over time, so using curtains or sunscreens during intense sunlight can help prevent this.

Please note that the product warranty does not cover mechanical damage caused by heavy overloading or sliding of furniture/items, as well as permanent stains caused by rubber/latex.

By following these preventive measures, you can protect your Formation Plank floor from damage and maintain its appearance for a longer period of time.

#### Vacuuming

Regular vacuuming is a vital component of an effective maintenance routine to keep a Formation Plank floor in optimal condition. It plays a crucial role in removing grit, debris, and other solid particles that can accumulate on the surface. Vacuuming is particularly effective in addressing this type of soiling, as it eliminates it rather than simply transferring it to another area, which is often the case with wet mopping. Therefore, prioritizing regular vacuuming over wet mopping ensures a more thorough and efficient cleaning

#### Spill and Spot Cleaning

Accidents happen, and spills or spots are bound to occur. However, they don't have to leave a lasting mark. Acting promptly is key to minimizing the chances of permanent staining. When a spill happens, begin by blotting it with a dry cloth or kitchen towel to absorb as much of the liquid as possible. If needed, follow up with water to further clean the affected area. It's important to note that using detergents or cleaning products should only be considered when the previous steps prove insufficient in removing the spill or stain. By adopting this approach, you can effectively address spills and prevent them from becoming permanent blemishes on your Formation Plank floor.

#### Periodic Cleaning

Regular inspection and assessment of the floor's appearance is essential, as maintenance requirements can vary based on seasonal changes. To start the maintenance routine, vacuuming is crucial to eliminate grit, debris, and other solid particles that can cause damage.

For light cleaning, a damp mop can be sufficient. It's important to avoid using cleaning products unless necessary. In cases where heavier cleaning is needed, such as removing oil, grease, or surface dirt in kitchen areas or entrance ways, wet mopping with a suitable detergent may be required.

### Nature's Core Cleaning and Maintenance Guide



#### Cleaning and Maintenance Guide

Onecommon mistake is using excessive detergent, which can leave a film on the floor's surface. If this occurs, it is recommended to clean the floor multiple times without any detergent to remove the excess soap or detergent, bringing it back to a standard condition. Always follow the manufacturer's recommendations regarding the proper dilution of detergents.

In larger commercial areas, professional cleaning machines equipped with rotating brushes and vacuum extraction can be employed for more efficient and thorough cleaning. These machines can help maintain the floor's cleanliness and appearance effectively.

#### Deep cleaning

Regular periodic cleaning is more beneficial for the floorcovering than sporadic deep cleaning. However, the cleaning requirements can be influenced by seasonal changes.

Start by removing surface dust and grit through thorough vacuuming.

Once the floor is free from dust and debris, apply a solution of neutral pH cleaner or a light alkaline cleaner (depending on the level of soiling), carefully diluted according to the manufacturer's instructions. Allow the solution to react with and lift the soiling, possibly using a soft brush for some agitation.

Using a clean "microfiber" mop, pick up the solution in a continuous side-to-side motion. Replace the mop head when it becomes loaded to avoid leaving residues or streaks on the floor. Repeat this process until the entire floor is clean and streak-free. It's important not to spread dirty water from one area to another, and in some cases, extraction cleaning may be necessary.

Machine wash and dry the dirty mop heads for reuse.

For heavy soiling or soiling in the grain, a "scrubber dryer" with immediate wet vacuum extraction may be required prior to mopping. Numatic International offers a range of suitable machines for this purpose.

For further guidance, it is recommended to seek advice directly from the manufacturer, their distributors, or specialist floor care companies.

### Warranty Guidelines



Exposure to UV light can cause most flooring to change in color over time. To prevent this, use curtains or blinds to block excessive sunlight. Additionally, PVC flooring may yellow in dark areas, leading to color variations between covered and non-covered sections. Please note that this is a characteristic of PVC floor coverings and is not covered by our warranty.

Avoid using rubber or latex backed mats, as they can leave stains on the floor. Similarly, do not use rubber or latex castors or protection caps under furniture. We recommend using castors type 'W' in accordance with EN 12529.

For loose lay installations, our warranty does not cover damage caused by heavy overloading, rolling loads, or sliding activities.

Ensure that cigarettes, matches, and other hot items do not come into contact with the floor, as this can cause permanent damage.

It is important to note that cleaning or maintenance should only be carried out if the floor is correctly installed and free from visible imperfections.

For complete warranty conditions, please contact your representative or supplier. In the event of any conflicts between these installation instructions and local technical standards or legislation, the more stringent requirement prevails.

All PlusFloor floors should be installed by a skilled and competent installer who will consider the unique circumstances of each site. The PlusFloor warranty will be applicable only to floors that have been installed by a competent flooring installer conforming to the standards comparable to BS8201 in the UK or an equivalent standard worldwide.

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