

# Installation Instructions

## Neoflex

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Before proceeding with the installation, familiarise yourself with the industry standard NZS/AS 1884:2013 and ensure compliance.

### Upon Receipt

While Advance Flooring guarantees premium quality, we recommend inspecting the rolls for any damage or defects and verifying that the product, colour and quantity match your order. Please note that we will not cover costs associated with the replacement or repair of visibly damaged or defective vinyl once installed.

Ensure that all rolls used in the same space have the same batch number, as this will help maintain consistency in colour.

### Storage

Store Neoflex™ rubber flooring rolls in a closed, dry space at temperatures between 10°C and 30°C, shielded from direct sunlight and artificial light with high UV levels. If stored in heated areas, ensure the rolls are protected from direct heat, maintaining a distance of at least 1 metre from any heat source.

Any adhesive or top coatings exposed to frost, rain, or excessive heat will void the warranty.

Store the rolls with the adhesive and installation equipment. If the materials are stored for more than one year, a gluing test is recommended before installation.

### Site Preparation

#### Test for Moisture

Rubber flooring system bond failures on slabs-on-grade caused by moisture vapor transmission are the industry's most common issue. Testing for moisture can be done using one of the following methods:

- **ASTM D4253 (Plastic Sheet Test):** Place a plastic sheet on the concrete slab for 24 hours. If moisture collects under the sheet or the slab darkens, the vapor transmission is too high for a successful rubber flooring application.
- **Calcium Chloride Crystal Test:** The maximum allowable water/vapor transmission rate is 2 pounds per 1,000 ft<sup>2</sup> per 24 hours.

#### Conditioning

Prior to interior installation, allow the Neoflex™ surfacing and adhesive to acclimatise at a temperature of at least 20°C for a minimum of 24 hours, both before, during and after installation.

#### Important Notes

The installation of Neoflex™ should not begin until all other work and trades have been completed, and the area is cleared of extraneous materials. If it is necessary for the Neoflex™ surface to be installed before other trades have completed their work, the installed surface should be covered with a suitable protective covering.

For all Neoflex™ surfacing installations, standard resilient sheet/roll surfacing installation practices should be followed.

Neoflex™ surfacing will conform to the contours of the sub-surface it covers. A smoother sub-surface will result in a better Neoflex™ finish.

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### Floor Preparation

The finished sub-surface must be smooth, trimmed and free from compaction or trowel ridges. It must not deviate from the required levels by more than 4mm, as measured under a 4m straight edge in any direction. For outdoor installations, any ponding of water after flooding must be corrected so that no pond exceeds a depth of 1mm.

For outdoor installations, the sub-surface should be constructed with a designed slope of  $\leq 1\%$ . Consult the relevant technical requirements for the specific facility being constructed.

Ensure the sub-surface where Neoflex™ will be installed is completely dry, clear of all foreign matter, and free of dust, dirt, oil, or any spills.

If curing compounds are used on the concrete, they must be mechanically removed from the surface before installing Neoflex™.

Any contamination that could affect the bond of the rubber flooring must be removed. Common types of contamination include:

- Oil, grease or food fats: These can typically be burned off with a flame gun, removed using a commercial degreasing compound or solvent, or eliminated through mechanical methods.
- Curing compounds, sealers and other laitance:

These are best removed mechanically using techniques such as vacuum blasting, scarifying, sandblasting or shot blasting.

### Installation Methods

#### Adhesive

For fully adhered installations, apply adhesive evenly at the recommended rate. Recommended adhesives are Uzin KE66 and Uzin KR430 2-part Polyurethane adhesive (see diagram overpage). Always adhere to the manufacturer's instructions during the gluing process.

Care should be taken when embedding Neoflex™ into the adhesive. Avoid dragging the Neoflex™ surface across the adhesive, as this could contaminate the adjacent sheet.

Use weights, like sandbags, on edges, corners, and seams until the adhesive cures. Avoid overlapping adhesive to prevent seams from rising. Level differences will be 'telegraphed' through the Neoflex™ surface, particularly along the seams.

For optimal results, use a 50 kg hand-held flooring roller to roll the entire surface. This embeds the Neoflex™ into the adhesive and removes any trapped air. The rolling must be continuous, and it may be necessary to repeat for up to 2 hours, ensuring the adhesive has fully set. This process guarantees a strong bond between the Neoflex™ and the sub-surface.

Allow the adhesive to cure for a minimum of 12 hours before applying any optional sealer to the Neoflex™ floor.

Allow sufficient time for the adhesive to fully cure before permitting foot traffic.

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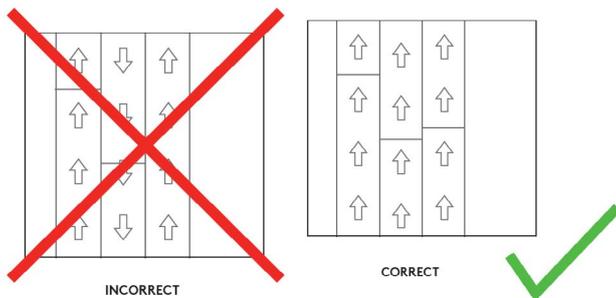
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### Installation Process

Each roll of Neoflex™ is labelled on the underside, indicating the direction of rolling and which face should be placed down onto the sub-floor. Lay Neoflex™ with the correct face down, ensuring a tight butt joint to eliminate any gaps.

All Neoflex™ surfaces must be unrolled and installed in the same direction, starting from one side of the room (see diagrams).



Note: The surface of Neoflex™ is directional in texture due to its cut face. With natural daylight, differences in texture may become apparent on the surface. Form tight butt joints between rolls to eliminate gaps. In some cases, such as with undulated or contoured sub-floors, it may be necessary to trim the sides or ends of the Neoflex™ rolls to achieve tight seams. Reducing strips, edge guards and corner strips made from metal, vinyl or rubber may be used at the installer's discretion. Game lines can be painted directly onto Neoflex™ using a 2-component, non-yellowing aliphatic polyurethane line paint.

### Post-Installation Care

#### Responsibility for handover

The architect or designer should assign responsibility for the final cleaning and finishing as part of the overall project. This responsibility should be specifically designated to either the installer, general contractor, maintenance/cleaning contractor, or the owner.

Protection during Construction: Use non-staining building material paper or plywood on Neoflex™ flooring for protection during additional construction activities and until the Cleaning and Maintenance Program can begin.

Please also refer to the Advance Flooring Maintenance Instructions.

### Product Quality and Warranty

Advance Flooring is responsible for the product's quality as outlined in the technical data sheet. We will not be liable for improper installation or installation of visibly defective Neoflex™ flooring. The product is covered under warranty only when it is used and maintained correctly.

We are here to help you, if you have any questions or require further clarification please contact us.

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### Recommended Adhesive Guide

Available from Gilt Edge.

SERIES	3.0mm	4.0mm	5.0mm	6.0mm	8.0mm	9.5mm	10mm	12mm	15mm
600	Interior: KE66 Exterior: KR430	Interior: KE66 Exterior: KR430	N/A	KR430	KR430	KR430	KR430	N/A	N/A
700	Interior: KE66 Exterior: KR430	Interior: KE66 Exterior: KR430	N/A	KR430	KR430	KR430	KR430	N/A	N/A
800	Interior: KE66 Exterior: KR430	Interior: KE66 Exterior: KR430	N/A	KR430	KR430	KR430	KR430	N/A	N/A
Reco	Interior: KE66 Exterior: KR430	Interior: KE66 Exterior: KR430	N/A	KR430	KR430	KR430	KR430	N/A	N/A
Natural	Interior: KE66 Exterior: KR430	Interior: KE66 Exterior: KR430	N/A	KR430	KR430	KR430	KR430	N/A	N/A
500NV	Interior: KE66 Exterior: KR430	Interior: KE66 Exterior: KR430	Interior: KE66 Exterior: KR430	KR430	KR430	N/A	KR430	KR430	N/A
Gym Tile	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	KR430

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