

# Homogeneous Vinyl Flooring Installation Guide

## 1.0 Introduction

*Welcome to choosing homogeneous vinyl flooring. This guide will walk you through the pre-installation preparations and the standard installation process. To ensure the best results, please be sure to follow the steps below. Professional installation is recommended.*

## 2.0 Pre-installation Notice

### 2.1 Professional Advice

The final performance and longevity of homogeneous vinyl flooring are highly dependent on the quality of the subfloor and professional installation. This guide is intended for professional installers. DIY installation without relevant knowledge and experience may lead to product damage and void the warranty.

### 2.2 Liability

The installer is responsible for thoroughly inspecting and confirming that the subfloor conditions meet all requirements of this standard before installation commences. Issues arising from an inadequate subfloor are not covered under product warranty.

### 2.3 Site Conditions

**Installation must be performed after all other wet trades (e.g., painting, carpentry, tiling) are complete. The job site must be clean, dry, and maintain a constant ambient temperature of 18°C - 28°C (65°F - 82°F) and relative humidity between 40% - 60%.**

## 3.0 Subfloor Requirements

The subfloor is the foundation of the installation, must meet **ALL** of the following conditions:

### 3.1 Type

- Cement screed
- Existing smooth ceramic tiles (Need to confirm there are no hollow sounds and the surface is clean)
- Solid existing epoxy floor

### 3.2 Strength & Hardness

The subfloor must be solid, free from movement, and structural cracks. Surface Mohs hardness should be no less than 2.0.

### 3.3 Flatness

**Standard: Under a 2-meter (6.5 feet) straight edge, the variation must be  $\leq 2\text{mm}$  (1/10 inch).** Areas not meeting this standard must be ground down or corrected with self-leveling compound.



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### **3.4 Moisture**

- Concrete Subfloor:  $\leq 2.5\%$  by Calcium Chloride Test (CM). If using in-situ RH method, must be  $\leq 75\%$ .
- Anhydrite Subfloor:  $\leq 0.5\%$  moisture content.

### **3.5 Surface Condition**

- Clean: Free of dust, oil, wax, paint, and any contaminant that may affect adhesion.
- Integrity: No hollow spots, no laitance, no cracks.

## **4.0 Installation Procedure**

### **Step 1: Acclimatization**

Rolls must be stored horizontally in their original packaging on-site for at least **48 hours**. Environmental conditions must comply with section 2.3.

### **Step 2: Subfloor Inspection & Preparation**

- Use a moisture meter, straight edge, etc., to strictly inspect the subfloor according to section 3.0.
- Thoroughly clean the subfloor with an industrial vacuum cleaner.

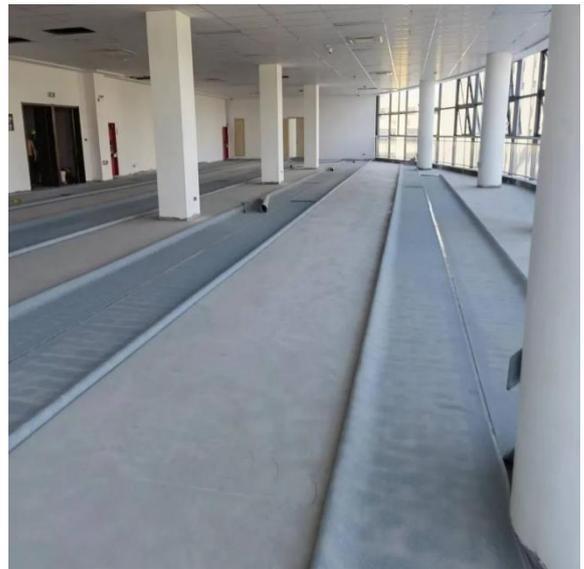
### **Step 3: Planning & Dry Lay**

- Plan the laying direction and seam locations based on room shape and light direction. Seams should be staggered by at least 300mm.
- A dry lay can be performed to check for color and size matching.

### **Step 4: Adhesive Application**

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- Mix the adhesive homogeneously with a drill mixer as per the manufacturer's instructions.
- Using the specified notched trowel, apply the adhesive evenly. **Mind the adhesive's open time.** Do not cover too large an area to ensure installation is completed while the adhesive is tacky.



## Step 5: Laying & Rolling

- Carefully lay the roll onto the adhesive, initially pushing out air beneath with hands or a soft trowel.
- **Immediately use the heavy-duty tapered roller (75kg or above).** Roll in overlapping "W" patterns from the center outwards to ensure full contact and no air pockets.



## Step 6: Seaming & Welding

Use a seam roller to initially press the seams.

For areas requiring complete sealing (e.g., labs, hospitals), hot air welding is recommended:

1. Use a professional routing tool to create a U-groove along the seam.
2. Weld using a hot air welder and compatible welding rod.
3. Trim the weld rod flush with a trumpet and knife while still warm, then make the final trim.

## Step 7: Cleaning & Protection

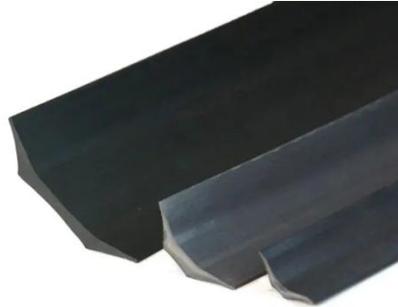
- Immediately wipe off any adhesive residue with a damp cloth.
- **Post prominent signs after installation. No foot traffic for at least 24 hours. Do not move heavy furniture or wet mop for at least 72 hours.**

**Recommend Accessories**

1. PVC Welding Rod



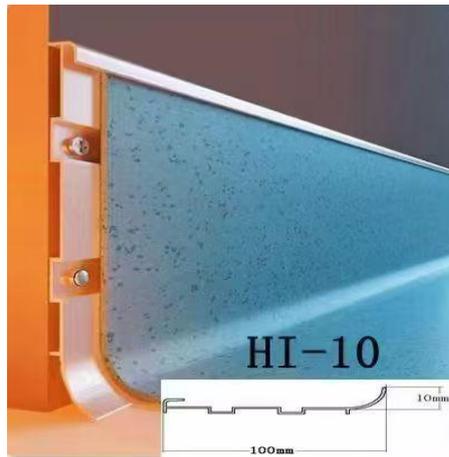
2. PVC Strip



3. Capping Seal



4. Aluminum Alloy Liner Plate



# Resilient Floor Laying Process

## Recommended Construction Tools

- 1、MSYH Safety Knife
- 2、Toothing Scraper
- 3、Steel Ruler
- 4、Cork Press
- 5、50kg压辊 50kg press roll
- 6、Type-U Groover
- 7、Manual Welding Gun
- 8、Trimming Guide
- 9、Quarter Moon Knife



Paving Preparation



Dust Absorption



Pre-Laying Cutting



Coated Adhesive



Roller Pressing



Exhaust

**Constructi on Points:**

- 1、Cutter pre-laying for about 24 hours, so that the floor fully flat at room temperature.
- 2、According to substrate and choose different types of flooring adhesives, if the construction at the air temperature is too low or high humidity conditions, heating and dehumidification and ventilation measures is recommended to take to ensure the installation of the effect of the floor.



Manual Grooving



Electric Grooving



Hand Welding



Electric Welding



Pre- Shovel Welding Rods

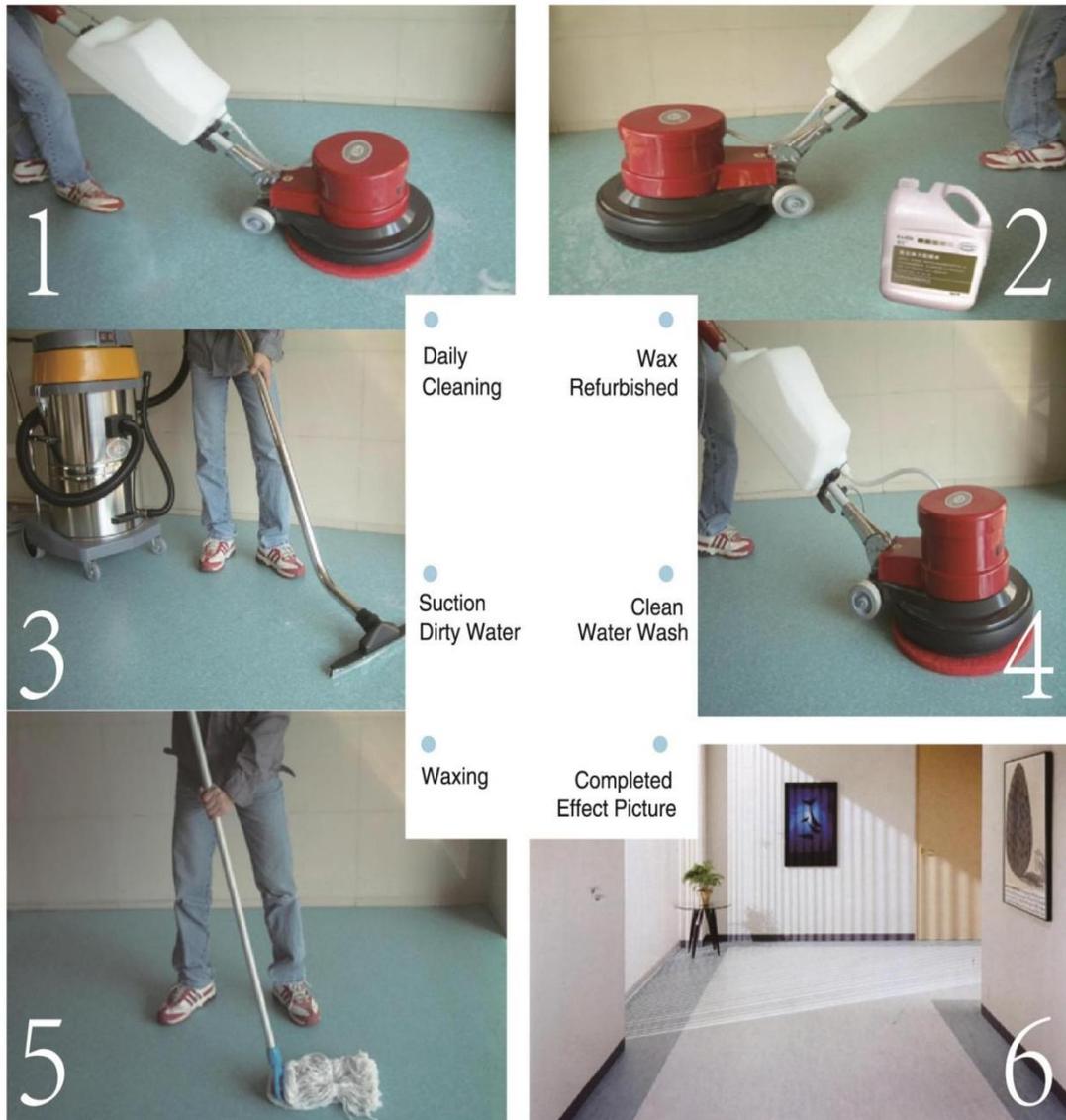


Fine Shovel Welding Rods



Completed Effect Picture

## Resilient Floor Maintenance Process



### Cleaning Requirements:

First, The newly laid floor (surface no wax and unprotected fats) cleaning and maintenance  
 Use MSYH washing machine is equipped with 3M red cleaning pad, with MSYH strong wax water (1:20) watered cleaning, and washed with water, can be waxing after ground dry.

Second, the use of care after floor renovation  
 Use MSYH washing machine is equipped with 3M black wax from the pad, with MSYH strong Wax water (1:10) watered waxing, use MSYH vacuum suction machine suction sewage and washed thoroughly with water, can be waxing after ground dry.