

# Indoor Installation Manual



## Job Site

- I. It is recommended that the installation of resilient flooring not begin until the work of all other trades has been completed.
- II. Areas to receive resilient flooring shall be clean, fully enclosed, weather tight and with the permanent HVAC in operation.
- III. The area to receive resilient flooring should be maintained at a minimum of 65°F (18°C) and a maximum of 100°F (38°C) for 48 hours before, during and for 48 hours after completion.
- IV. Outdoor Installation: Surface and ambient temperature must be above 40°F during the installation. Installation must be performed in dry weather with no threat of rain.

## Material Storage

- I. Materials should be stored in a dry, temperature-controlled interior area out of direct sunlight.
- II. Store sheet materials horizontally with the weight supported across the entire width and rolled tightly on a suitable cardboard core.

- III. Material should always be visually inspected prior to installation for correct pattern ordered and for visual defects or damage. Any discrepancies must be reported immediately before beginning installation.

## Acceptable Subfloors

- I. Wood subfloors should be double construction with a minimum thickness of one inch. The floor must be rigid, free from movement with a minimum of 18 inches of well-ventilated air space below.
- II. Concrete (Indoor/Outdoor) Concrete shall have a minimum compressive strength of 3000 psi. New concrete slabs should cure for a minimum of 28 days, be fully cured and permanently dried before installing Regupol® Kombi.
- III. Patching and leveling materials such as Ardex K-15 or an approved Portland cement-based product are acceptable. Gypsum-based patching and leveling compounds are not acceptable.
- IV. Underlayments – American Plywood Association (APA) underlayment grade plywood is the required underlayment. The minimum thickness of ¼" with a fully sanded face should be used: particleboard, chipboard, masonite and lauan are not suitable underlayments.

 **REGUPOL® AMERICA**

**Subfloor Preparation**

- I. For the best installation results, areas to receive the Regupol® Kombi flooring shall be:
- II. Free of all foreign material such as dust, paint, grease, oils, etc.
- III. Dry, clean, smooth, level and structurally sound.
- IV. Smooth and flat to within 1/8" in 10 feet to avoid telegraphing through the new flooring.
- V. All cracks or flaws should be filled in or repaired prior to covering with Regupol® Aktiv recycled rubber flooring. Use an approved Portland-based patching compound for repairs. (Only use outdoor approved patching compounds for outdoor installation)
- VI. It is essential that moisture tests be taken on all concrete floors regardless of age and grade level. The test shall be in accordance with ASTM F-1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor using Anhydrous Calcium Chloride. The concrete must not exceed 3 lbs./1,000 sq. ft. in a 24-hour period. If the test results exceed the limitations, the installation should not proceed until the problem has been corrected. (Indoor Testing Only)

**Lead Warning**

- I. Many buildings built before 1978 contain lead-based paint, which can pose a health hazard if not handled properly. Do not remove or sand lead-based paint without consulting a qualified lead professional for guidance on lead-based paint testing and safety precautions.

**Asbestos Warning**

- I. Resilient flooring, backing, lining felt, paint or asphaltic "cutback" adhesives can contain asbestos fibers. Avoid actions that cause dust to become airborne. Do not sand, dry sweep, dry scrape, drill, saw, beadblast or mechanically chip or pulverize. Regulations may require that the material be tested to determine the asbestos content.

**Material Storage And Handling**

- I. Allow all flooring materials and adhesives to condition to the room temperature a minimum of 48 hours before starting the installation. Regupol® Kombi flooring should only be installed in temperature- controlled environments. It is necessary to maintain a constant temperature before, during and after the installation. Therefore, the permanent HVAC system must be in operation before the installation of resilient flooring. Portable heaters are not recommended as they may not heat the room and subfloor sufficiently. kerosene heaters should never be used.
- II. The area to receive resilient flooring should be maintained at a minimum of 65°F (18°C) and a maximum of 100°F (38°C) for 48 hours before, during and for 48 hours after completion.
- III. Radiant-heated substrates must not exceed a maximum surface temperature of 85°F (29°C).
- IV. Material should be delivered to the job site in its original, unopened packaging with all labels intact.
- V. Roll material should always be stored lying down. Storing rubber on end will curl the edges resulting in permanent memory of the material. All edges with memory curl must be straight edge cut before installation. Do not store rolls higher than 4 rolls or more than six months. Material should only be stored on a clean, dry, and smooth surface.
- VI. Inspect all materials for visual defects before beginning the installation. No labor claim will be honored on material installed with visual defects. Verify the material delivered is the correct style, color and amount. Any discrepancies must be reported immediately before beginning installation.
- VII. The material and adhesive must be acclimated at room temperature for a minimum of 24 hours before starting installation.
- VIII. All Regupol® Kombi rolls must be unrolled and installed in the same direction. Laying rolls in the opposite direction will cause color variations between the rolls.
- IX. Roll material is stretched slightly during the manufacturing process. At the job site, the installer should allow all cuts to relax for a minimum of two hours before installing. Shaking the material once it is unrolled can help it to relax.



- X. Subfloor should be smooth to prevent irregularities, roughness or other defects from telegraphing through the new flooring. The surface should be flat to the equivalent of 3/16" (4.8 mm) in 10' (3.0 m).
- XI. Mechanically remove all traces of old adhesives, paint or other debris by scraping, sanding or scarifying the substrate. Do not use solvents. All high spots shall be ground level and low spots filled with an approved Portland-based patching compound.
- XII. All saw cuts (control joints); cracks, indentations and other non-moving joints in the concrete must be filled with an approved Portland-based patching compound.
- XIII. Expansion joints in the concrete are designed to allow for expansion and contraction of the concrete. If a floor covering is installed over an expansion joint, it will likely fail in that area. Use expansion joint covers designed for resilient flooring.
- XIV. Always allow patching materials to dry thoroughly and install according to the manufacturer's instructions. Excessive moisture in patching material may cause bonding problems or a bubbling Reaction with the Regupol PU350 adhesive.
- XV. ASBESTOS WARNING - Consult the document "Recommended Work Practices for Removal of Existing Resilient Floor Coverings" available from the Resilient Floor Covering Institute.
- XVI. It is essential that pH tests be taken on all concrete floors. If the pH is greater than 9, it must be neutralized prior to beginning the installation. The surface of the concrete must have a pH of 9 or less.

### Layout

- I. Make the assumption that the walls you are butting against are not straight or square. Using a chalk line, make a starting point for an edge of the flooring to follow.
- II. Remove the Regupol® Kombi from the shrink-wrap and unroll it onto the floor. Lay the Regupol® Kombi on the floor in a way that will use your cuts efficiently. Cut all rolls at the required length, including enough to run up the wall.
- III. Allow the cuts to relax in position for a minimum of two hours. 24 hours is preferred.
- IV. Place the edge of the first roll along the chalk line.
- V. Position the second roll with no more than a 1/16" overlap over the first roll at the seam. Work the material back to eliminate the overlap. This procedure will leave tight seams and eliminate any gaps.
- VI. Repeat for each consecutive roll necessary to complete the area or those rolls that will be installed that day.

### Full Glue Down Method

- I. After performing the above procedures, begin the application of the adhesive. We recommend Regupol PU350, a one-component moisture-cured polyurethane adhesive. (indoor only)
- II. Regupol PU350 should not be mixed. It is specially formulated for use right out of the pail. Apply Regupol PU350 to the substrate using a 1/16" square-notched trowel.
- III. Outdoor Installation should be with an approved 2- component polyurethane adhesive and applied using a 1/8" – V-notch trowel.
- IV. Fold over the first drop along the wall (half the width of the roll).
- V. Spread the adhesive using the proper size square-notched trowel. Take care not to spread more Regupol PU350 than can be covered with flooring within 30 minutes. The open time of the adhesive is 30–40 minutes at 70°F and 50% relative humidity.
- VI. NOTE: Temperature and humidity affect the open time of the adhesive. Temperatures above 70°F and/or relative humidity above 50% will cause the adhesive to set up more quickly. Temperatures below 70°F and/or relative humidity below 50% will cause the adhesive to set up more slowly. The installer should monitor the on-site conditions and adjust the open time accordingly.
- VII. Lay the flooring into the wet adhesive. Do not allow the material to "flop" into place; this may cause air entrapment and bubbles beneath the flooring.
- VIII. Immediately roll the floor with a 100 lb. roller to ensure proper adhesive transfer.
- IX. Overlap each pass of the roller by 50% of the previous pass to ensure the floor is properly rolled. Roll the width first and then the length.



- X. Fold over the second half of the first roll and half of the second roll. Spread the adhesive. Spread the adhesive at right angles to the seam to prevent the adhesive from oozing up through the seam. Roll the flooring.
- XI. Continue the process for each consecutive drop. Work at a pace so that you are always folding material back into wet adhesive.
- XII. NOTE: Never leave adhesive ridges or puddles. They will telegraph through the material.

**NOTE:** DO NOT ALLOW ADHESIVE ON THE TOP SURFACE OF THE PRODUCT AS IT IS VERY DIFFICULT TO REMOVE. IF ADHESIVE COMES IN CONTACT TO THE SURFACE IMMEDIATELY CLEAN THE SURFACE WITH A RAG DAMPENED WITH MINERAL SPIRITS PRIOR TO THE ADHESIVE CURING.

- XIII. Do not allow Regupol PU350 to cure on your hands or the flooring. Immediately wipe off excess adhesive with a rag dampened with mineral spirits! Cured adhesive is very difficult to remove from hands. We strongly suggest wearing gloves while using Regupol PU350!
- XIV. If some seams are gapping, temporarily hold them together with 2" masking tape. Do not use duct tape as it may leave a Residue on the floor. All seams and joints must be weighed down using concrete utility blocks (Indoor & Outdoor) . Remove the tape and the blocks after the adhesive develops a firm set. (12-24 hours)
- XV. Keep traffic off the floor for a minimum of 24 hours. Foot traffic and rolling loads can cause permanent indentations in the uncured adhesive.

## TASKI® CLEANING PROCEDURES

- I. Initial Cleaning
  - A. Remove all surface soil, debris, sand and grit by sweeping, dust mopping or vacuuming with a high CFM vacuum. For large areas, use auto scrubbers to clean floors.
  - B. Scrub floor with a neutral pH (7-9) detergent, such as TASKI Profi cleaner (10 oz./gal. of water), using buffer or auto-scrubber with a soft nylon brush or a mint or purple pad. Avoid flooding the floor.
  - C. Pick up solution with a wet vacuum, rinse with clean water, picking up the rinse water with a wet vacuum, and allow to dry thoroughly (6-8 hours).

## Daily/Regular Cleaning

- I. Sweep, dust mop or vacuum floor to remove surface soil, debris, sand and grit.
- II. Damp mop with a microfiber mop or autoscrub using TASKI purple pad with TASKI profi (6-10 oz./ gal. of water) or equivalent pH neutral cleaner.

## GAME LINES

- I. After the adhesive has cured (24 hours) game lines can be applied to the surface. A high quality 2- component polyurethane game line paint is recommended for proper adhesion to the surface and durability of the game lines. The following recommendations are listed because of their extensive testing and field experience with the Regupol® Kombi product.
- II. BASF Conipur 45 2-component Line Paint – 800-642-7010
- III. These instructions are given only as guidance to our customers and for use with our recommended tools and adhesives. Regupol America cannot accept any responsibility for loss or damage that may result from the use of this information due to variations in working conditions and/or workmanship of the installer. Users are advised to conduct their own tests for a particular application and assign installers that are familiar with this type of flooring product.

