

Product Overview

Nuovo Tile is a vulcanized rubber flooring product manufactured from a specially formulated blend of Styrene Butadiene Rubber (SBR), natural rubber and natural cork. The addition of natural rubber and cork means that Nuovo Tile is manufactured from rapidly renewable

and recycled materials. The durability and dimensional stability of vulcanized rubber makes Nuovo Tile ideal for most commercial installations. Nuovo Tile is sound-absorbing, soft under foot and has excellent resistance to abrasion, impact, scuffs and chemicals. Nuovo Tile can

be maintained by dry-buffing, rather than using waxes or finishes, decreases the long-term maintenance cost and environmental strain due to chemical use and waste. Nuovo Tile is FloorScore certified and is manufactured in the USA.

Features

- **Manufactured From Recycled Material (Pre & Post Consumer)**
- **Superior Slip Resistance**
- **Soft Under Foot**
- **Superior Durability**
- **Excellent Sound Reduction**
- **Does Not Require Finish**
- **Qualifies for LEED® Credits**
- **FloorScore® Certified**
- **CHPS & CA Section 01350 Complaint**

Technical Data

| | |
|---|--|
| Profiles/Patterns: | Smooth (S), Texture (T), Raised Disc (RD) |
| Tile Dimensions: | 18" x 18" |
| Thicknesses: | 2mm (S only), 3mm (S, T, RD) |
| Weight / Sq. Ft.: | 1.7 lbs. (2mm), 2.6 lbs. (3mm) |
| Quantity / Carton: | 30 Tiles (2mm), 20 Tiles (3mm) |
| ASTM F1344 - Rubber Floor Tile: | Class 1, Type A & B, Grade 1 |
| ASTM D2240 - Shore A Hardness: | Passes, >85 |
| ASTM F970 - Static Load Limit: | Passes, 250 lbs. |
| ASTM F925 - Chemical Resistance: | Passes (chart available) |
| ASTM F1514 - Color Heat Resistance: | Passes, ΔE<8 |
| ASTM D3389 - Abrasion Resistance: | Passes, < 1g loss |
| ASTM F2199 - Dimensional Stability: | Passes, <0.15% change |
| ASTM E648 (NFPA 253) - Critical Radiant Flux: | Class I, >0.45 W/cm² |
| ASTM E662 (NFPA 258) - Smoke Density: | Passes, <450 |
| ASTM D2047 - Slip Resistance: | >0.8 (wet & dry) |
| ASTM E492/E989 - Impact Sound: | IIC 51* |
| ASTM E90 / E413 - Airborne Sound: | STC 63* |
| ASTM E2179 - Effectiveness of Floor: | Δ 9* |
| CHPS / CA Section 01350: | Compliant |
| LBC Red List 3.0 Chemicals: | None |
| Acclimation Time: | 48 Hours |
| Storage & Acclimation Conditions: | 65° - 85° F |
| * 3mm tile, 6" Concrete, Drop Ceiling | + Square-Edge Only ++ Non-Stocking |

Additional Information

Approved Adhesives

Capri RC1000 Acrylic Adhesive
Capri AR4000 Urethane Adhesive

Approved Finishes

Hilway Direct Plus Acrylic Finish
Loba Supra AT Polyurethane Finish

Custom Options

Capri Nuovo Tile can be customized

to match other colors and sizes by request. Minimum quantities vary depending on format and thickness - contact a sales agent e-mail to sales@capricollections.com for more information.

Sales Support

Capri products are sold through a nationwide network of sales

agents. For more information, visit capricollections.com or e-mail sales@capricollections.com

Technical Support

Additional technical resources and documents are available online at capricollections.com. For additional technical support, e-mail support@capricollections.com.

1. PRE-INSTALLATION

- Consult all associated technical data for all related products and procedures, including adhesive, maintenance and warranty documents, prior to installation.
- Allow all trades to complete work prior to installation.
- Deliver all materials to the installation location in their original packaging with labels intact.
- Do not stack pallets to avoid damage.
- Remove all plastic and strapping from product after delivery and inspect for visible or obvious damage.
- Ensure that all adhesives intended for installation are approved for use with flooring material.
- Ensure installation area and material storage conditions are between 65° F (19° C) and 85° F (30° C) for at least 48 hours before, during and after installation.
- Ensure HVAC system is operational and fully functioning at normal operating conditions.
- Protect installation area from extreme climate changes, such as heat, freezing and humidity, as well as direct sunlight for at least 72 hours before, during and after installation.
- Ensure all substrate preparation and moisture testing requirements have been performed, read and/or understood by all interested parties.
- Do not proceed with installation until all conditions have been met.

2. PRODUCT LIMITATIONS

Do not install materials directly over LVT, cushioned vinyl, hardwood flooring, cork flooring, rubber flooring or asphaltic materials. Do not install in or around commercial kitchens or areas that may be exposed to animal or vegetable fats and oils or petroleum-based hydrocarbons. Do not install in areas that may be subjected to sharp, pointed objects, such as skates, cleats and spikes. When installing material in areas that may be exposed to topical moisture or areas that

will experiencing heavy weight or rolling loads, ensure a heavy-duty adhesive, such as the Capri AR-4000, is used. Do not allow product to be directly exposed to extreme heat sources, such as radiators, ovens or other high-heat equipment. Do not install outdoors or in areas that may be exposed to repeated and sustained UV light, as product may fade or discolor. Material may be susceptible to staining from rubber tires, casters or rubber-backed walk-off mats, as well as harsh disinfectants, cleaning agents, dyes or other harsh chemicals – ensure all chemicals and materials that may come in contact with flooring surface will not stain, mar or otherwise damage the flooring material prior to use.

3. SUBSTRATE PREPARATION

All substrates must be prepared according to ASTM F710, as well as all other applicable ASTM, ACI and RFCI guidelines. Substrates must clean, smooth, permanently dry, flat, and structurally sound. Substrates must be free of visible water or moisture, dust, sealers, paint, sweeping compounds, curing compounds, residual adhesives and adhesive removers, concrete hardeners or densifiers, solvents, wax, oil, grease, asphalt, visible alkaline salts or excessive efflorescence, mold, mildew and all other extraneous coating, film, material or foreign matter.

All substrates must have all existing adhesives, incompatible materials, contaminants or bond-breakers mechanically removed via scraping, sanding or grinding prior to adhesive installation. In extreme situations, shotblasting may be required. Mechanical preparation must expose at least 90% of the original substrate. Following cleaning and removal, all substrates must be vacuumed with a flat vacuum attachment or damp mopped with clean, potable water to remove all surface dust.

Sweeping without vacuuming or damp mopping will not be acceptable.

All porous substrates must be tested per ASTM F3191 to confirm porosity. All substrates that do not meet porosity requirements are considered non-porous. Ensure that all non-porous substrates are

not contaminated with aforementioned contaminants and that all installation guidelines for non-porous substrates are followed. It is recommended that all substrates have a floor flatness of FF32 and/or a flatness tolerance of 1/8" in 6' or 3/16" in 10'. Substrates that do not meet this requirement should have a compatible cementitious patch or self-leveling underlayment installed to flatten the installation area.

Do not use solvent/citrus based adhesive removers prior to installation. Follow The Resilient Floor Covering Institute's (RFCI) "Recommended Work Practice for Removal of Existing Floor Covering and Adhesive", and all applicable local, state, federal and industry regulations and guidelines. When removing asbestos and asbestos containing materials, follow all applicable OSHA standards.

CEMENTITIOUS SUBSTRATES

All cementitious substrates, including self-leveling underlayments, must have a minimum compressive strength of 3000 PSI and be prepared in accordance with ASTM F710 and ACI 302.2R. When flooring is being installed directly over concrete, surfaces that have an ICRI Concrete Surface Profile (CSP) of 5 or more should be smoothed with a self-leveling underlayment or a cementitious patch to prevent imperfections from telegraphing through flooring materials. On or below grade concrete must have a permanent, effective moisture vapor retarder installed below the slab.

Moisture Limits

Capri RC1000 Acrylic Adhesive

- 85% RH
- 5 lbs. MVER

Capri AR4000 Urethane Adhesive

- 85% RH
- 5 lbs. MVER

New or existing concrete substrates on all grade levels must be tested in accordance with ASTM F2170, using in situ Probes, to quantitatively determine relative humidity no more than one week prior to the installation.

In addition to ASTM F2170 Relative

Humidity Testing, existing concrete that has previously had floor covering installed on all grade levels must be tested in accordance with ASTM F1869, using Calcium Chloride test kits, to quantitatively determine the Moisture Vapor Emissions Rate (MVER) of the concrete.

If ASTM F2170 or ASTM F1869 test results exceed the prescribed limits, a moisture mitigation product must be installed prior to proceeding with installation. Do not install flooring until moisture testing has been conducted per the appropriate standard and/or moisture mitigation has been installed and is dry to the touch. Do not install flooring in below grade areas when hydrostatic pressure is visible or suspected.

LIGHTWEIGHT/GYPSUM SUBSTRATES

Lightweight or gypsum substrates must have a minimum compressive strength of 2000 PSI when installed over a wood substrate or 3000 PSI when installed over a concrete substrate. Lightweight or gypsum substrates must be installed and prepared in accordance with ASTM F2419 or ASTM F2471, respectively. Lightweight or gypsum substrates that do not meet these requirements should be strengthened with a compatible repair product to improve the compressive strength of the substrate. Substrate must be structurally sound and firmly bonded to subfloor. All cracked or fractured areas must be removed and repaired with a compatible repair product. New or existing substrates may require a sealant or primer be installed prior to resilient floor installation. Follow the substrate manufacturer's recommendations regarding preparation for resilient flooring.

WOOD SUBSTRATES

Wood substrates must be compliant with and prepared in accordance with ASTM F1482. Wood substrates should be of double layer construction with a recommended total thickness of 1" or more (depending on federal, state and local building codes). For standard installations, the top layer must be an APA Underlayment Grade plywood or equivalent with a minimum thickness of

1/4". Plywood must be smooth, free of knots or voids and fully sanded. When floors may be subjected to moisture, use an APA approved exterior grade plywood. Other wood subfloor materials, such as CDX, OSB, lauan, particleboard, chipboard, fiberboard or cementitious tile backer boards, are not acceptable substrates. Do not use preservative-treated and fire-retardant plywood, as some may be manufactured with resins or adhesives that may cause discoloration or staining of the flooring. Do not install flooring directly over solid or engineered hardwood flooring without first installing plywood or a suitable cementitious repair product at a minimum thickness of 1/4" over the hardwood flooring.

Wood subfloor deflection, movement, or instability may cause the flooring installations to release, buckle or deform. As such, do not use a plastic or resin filler to patch cracks. Do not use cement or rosin coated nails and staples or solvent-based construction adhesives to adhere the plywood. Do not install resilient flooring directly over a sleeper system (wood subfloor over concrete) or Sturd-I-Floor panels.

RESINOUS SUBSTRATES

When installing directly over a resinous products, such as an epoxy coating, ensure the coating is dry to the touch and has cured for the prescribed length of time. Substrate must be clean, dry, sound and free of contaminants. Be sure to follow adhesive installation procedures and trowel sizes for non-porous substrates. This may require abrasion of the resinous coating.

METAL SUBSTRATES

Metal substrates must be thoroughly sanded/ground to remove all residue, oil, rust and/or oxidation. Substrate must be smooth, flat and sound prior to installation. When installing in areas that may be subject to topical water, moisture and/or high humidity, an anti-corrosive coating should be applied to protect metal substrate. Contact a local paint or coating supplier for coating recommendations. Install flooring material within 12 hours after sanding/grinding to prevent re-oxidation.

Deflection in the metal floor can cause a bond failure between the adhesive and the metal substrate. Be sure to follow installation procedures and trowel sizes for non-porous substrates.

EXISTING FLOORING SUBSTRATES

The suitability of existing flooring as a substrate depends on the specific requirements of the adhesive being used to install the material. As such, refer to the adhesive requirements for existing flooring substrates and ensure all adhesive requirements and guidelines are followed.

RADIANT HEATING SUBSTRATES

When installing flooring over a substrate that contains a radiant heating system, ensure the radiant heat is no higher than 70° F (21° C) 48 hours prior to and during the entire installation. 48 hours after installation, the radiant heat may be gradually increased over the course of 24 hours, until normal operating temperature is reached. Ensure the temperature of the radiant heating system does not exceed 85° F (29.5° C) and avoid making abrupt changes in radiant heating temperature.

4. CONSTRUCTION JOINTS & CRACKS

All cracks, construction joints and other voids, as well as the areas surrounding them, must be clean and free of dust, dirt, debris and contaminants. All minor cracks 3/64" wide or less must be repaired with a compatible cementitious patch.

Due to the dynamic nature of concrete, manufacturer cannot warranty installations directly over construction joints (such as control cuts or saw joints), expansion joints, cracks or other voids wider than 3/64". Construction joints, expansion joints or cracks wider than 3/64" must have a suitable crack repair or joint repair system installed per the below recommendations.

All expansion joints should have a suitable expansion joint covering system installed to allow for expansion and contraction of the joint. To treat expansions joints where an expansion joint covering system can't be installed or to treat through cracks (depth at least 75% of the thickness of the concrete), chase joint or crack with

a suitable saw or grinder and open to a minimum width of 1/4". Be sure to clean all dust, dirt and debris from crack. Joints and cracks should then be sealed with a suitable, elastomeric caulk designed for use in expansion joints. Install a closed-cell backer rod at prescribed depth and follow all caulk manufacturer's instructions for installation. Ensure surface is troweled flush with surface of concrete.

To treat construction joints and surface cracks over 3/64", chase joint or void with a suitable saw or grinder and clean all dust, dirt and debris from crack. Fill entire crack with a rigid crack treatment designed for use in construction joints or cracks. Follow material manufacturer's instructions for installation. Ensure surface is troweled flush with surface of concrete.

Consult a project engineer or architect prior to treating cracks or joints, especially those that may affect structural integrity (such as expansion joints). Review all manufacturer installation instructions and/or consult manufacturer technical staff for all crack or joint filling products prior to treating construction joints and cracks.

5. FLOORING INSTALLATION

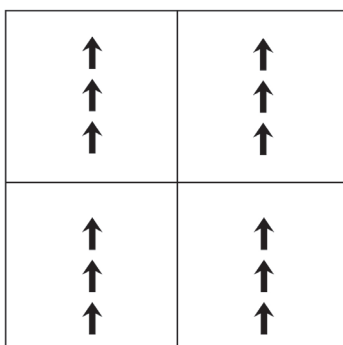
Ensure substrate is clean, dry, flat, sound and suitably prepared prior to installation, as manufacturer is not responsible for substrates that have not been properly prepared and tested for moisture. Ensure adhesive is approved for use with flooring material and the proper trowel type and size is used, as manufacturer is not responsible for all adhesion issues related to improper adhesive selection or usage. Prior to installation, confirm material installation pattern and direction per design specifications or work order. Nuovo tile should be installed point to point or in a quarter-turn pattern to ensure tight seams and an overall ideal visual appearance.

Inspect all tiles prior to and during installation to verify that there are no visible defects, damages or excessive shading variations. Some flooring products, colors and textures have latent and acceptable color and shade variations. If there are concerns regarding shade or

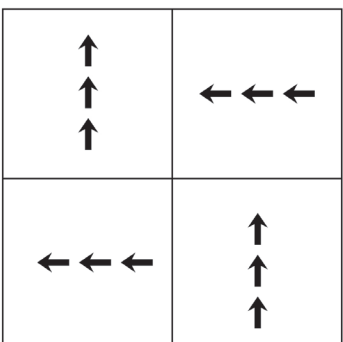
color variation, do not install material and consult a sales representative and manufacturer's technical staff. **Material installed with obvious visual defects will not be covered under warranty.**

Tile Installation Patterns

Point to Point



Quarter-Turn



Square the room using the 3-4-5 squaring rule or similar method to establish and mark initial installation starting line. Dry-lay several tiles to establish an ideal installation layout, ensuring perimeter tiles are as equal in size as possible. Ensure material around perimeter is 1/8" from wall or less, depending on depth of wall base or trim. Pre-cut borders and other specialty pieces to fit snugly against or around walls, thresholds, transition strips, fixtures and other protrusions or accessories. Avoid forcing material tightly against vertical surfaces, as material may buckle.

Apply adhesive according to instructions for the specific product in use and observe adhesive flash times, if applicable. Pay close attention to adhesive working times and flash times to avoid adhesion issues. This may require working in smaller sections. Be sure to follow instructions

based on substrate porosity (porous or non-porous).

Adhesive Spread Rates

Capri+ RC-1000 Acrylic Adhesive

- Porous: 125-150 sq. ft. / gallon
- Non-Porous: N/A

Capri+ AR-4000 Urethane Adhesive

- Porous: 125-150 sq. ft. / gallon
- Non-Porous: 125-150 sq. ft. / gallon

Periodically lift material to ensure proper adhesive transfer and ensure adhesive has not surpassed the open time – adhesive should cover 90% of material. Replace trowels at recommended intervals to maintain proper trowel ridge and spread rate.

When installing into wet adhesive, avoid walking or working on material until adhesive has cured for light foot traffic. **Working on material that is installed into wet adhesive could cause adhesive to displace.** When working off of material is not possible, use a kneeling board or equivalent to disperse weight evenly and prevent adhesive displacement.

Roll material with a 3 section, 100 lb. roller within 30 minutes of installation, crossing in a perpendicular direction after initial roll. Use a hand roller in areas that cannot be reached with larger roller.

Visually inspect installation to ensure that material has not shifted and that adhesive has not been squeezed out of joints or compressed onto surface. Clean excessive adhesive or adhesive residue from the surface of the material per adhesive recommendations. Do not apply abrasive or solvent based cleaners directly to material.

6. INITIAL MAINTENANCE

Prior to use, Nuovo Tile must be scrubbed to remove mold release agents and ease daily or routine maintenance. Ensure that adhesive has cured for recommended period of time prior to conducting initial maintenance. Remove all protective coverings prior to cleaning. Sweep or dust mop and vacuum flooring to remove all dirt, dust or debris.

Mix 6 - 7 oz. of Capri Neutral Cleaner per

gallon of warm and clean potable water (1:20) and use a clean mop to apply cleaning solution to area. Let solution stand for 5-10 minutes.

If using a low-speed floor buffer or swing single disc scrubber (180 – 360 RPM), buff floor while wet using a 22 gauge soft bristled scrubbing brush or a 3M 4100 White Super Polish Pad. If flooring is heavily soiled, a 3M 5100 Red Cleaning Pad may be required. Use a soft bristled deck brush in hard to reach areas.

If using an auto-scrubber, scrub floor while wet using 22 gauge soft bristled scrubbing brushes or 3M 5100 Red Cleaning Pads. If flooring is heavily soiled, allow cleaner to remain on surface for an additional 5-10 minutes before scrubbing. Use a wet vacuum or clean mop to remove all excess cleaning solution. Using a clean mop or auto-scrubber, rinse area with clean, cool water and ensure that all cleaning residue has been removed (this may require additional rinsing). Allow area to dry completely before allowing foot traffic.

All installation areas that will be difficult to maintain with a buffer or auto-scrubber (such as elevators cabs, small rooms or equipment areas) or areas will not receive routine maintenance with a buffer or auto-scrubber must have a compatible floor finish installed, such as the Hilway Direct Plus, in order to ease maintenance of the floor covering.

For more maintenance information, please see the product care & maintenance document or floor finish technical data.

7. FLOORING PROTECTION

Protect newly installed flooring with construction grade paper or protective boards, such as Masonite or Ram Board, to protect flooring from damage by other trades. Do not slide or drag pallets or heavy equipment across the new flooring. Limit usage and foot traffic according to the adhesive's requirements. When moving appliances or heavy furniture, protect flooring from scuffing and tearing

using temporary floor protection.

All furniture casters or glides must be intended for resilient flooring and made of a soft material (such as a rubber or poly-based material). Casters and glides must have a flat contact point that is at least 1" sq. in. or 1.125 in. in diameter to limit indentation and flooring or finish damage. All rolling seating in desk areas must have a resilient flooring chair pad installed over the finished floor to protect floor covering.

All fixed furniture legs or corners must have permanent felt or soft rubber floor protectors installed on all contact points to reduce indentation, wear, scratching and other flooring or finish damage. Floor protectors must have a flat contact point of at least 1 sq. in. or 1.125 in. diameter and must cover the entire bottom surface of the furniture leg.

Ensure all furniture castors and chair legs and are clean and free of all dirt and debris. Routinely clean chair castors and furniture legs to ensure that dirt or debris has not built up or become embedded in castors or floor protectors. Replace chair castors and floor protectors at regular intervals, especially if they become damaged or heavily soiled.

Place walk-off mats at outside entrances. Prevent water and moisture from accumulating underneath walk-off mats. Ensure mats are manufactured with non-staining backs to prevent discoloration.

8. WARRANTY

Capri provides a Limited 10 Year Warranty for all Nuovo Tile. For additional information, see associated warranty documents.

FOR PROFESSIONAL USE ONLY. PLEASE CAREFULLY REVIEW ALL ASSOCIATED TECHNICAL DATA SHEETS, SAFETY DATA SHEETS, MAINTENANCE DOCUMENTS AND WARRANTY INFORMATION PRIOR TO INSTALLATION.