1. PROPRIETARY PRODUCT/MANUFACTURER

1.1. **Proprietary Product**: Tarkett Event+ Series Luxury vinyl floor covering with Techtonic™ coating that delivers extreme durability and ease of maintenance in high traffic environments. Suitable for commercial working environments and office.

1.2. **Manufacturer:**

Tarkett North America Phone (800) 899-8916
30000 Aurora Rd.
Solon, Ohio 44139
Web: www.tarkett.com
E-mail: info@tarkett.com

1.3. **Proprietary Product Description:**

1.3.1. **Construction**: Tarkett Event+ Series is constructed with 30 mil wear layer reinforced with a Techtonic finish in numerous wood and stone patterns to provide an affordable, natural looking flooring that is stocked for faster turnaround times.

1.3.2. **Styles:**

(See below for standard embossing, sizing availability, and packaging info)

- **Finish:** Techtonic
- **Wear layer thickness:** 30 mil (0.76 mm)
- **Edge treatment:** Square Edge (SE), optional Slight Bevel (SB)
- **Overall thickness:** 0.120" (3.0 mm)
- 32 Wood / 24 Stone patterns

2. PERFORMANCE AND TECHNICAL DATA

2.1 Meets ASTM F1700, Class III, Type B performance

2.2 **Static Load Limit** (ASTM F970): 250 psi, ≤ 0.005"

2.3 **Residual Indentation** (ASTM F1914): Passes

2.4 **Static Coefficient of Friction** (ASTM D2047): SCOF ≥ 0.5

2.5 **Dimensional Stability** (ASTM F2199): Passes

2.6 **Resistance to Heat** (ASTM F1514): ΔΣ ≤ 8.0

2.7 **Resistance to Light** (ASTM F1515): ΔΣ ≤ 8.0

2.8 **Chemical Resistance** (ASTM F925): Passes

2.9 **Fire Resistance (**ASTM E648): CRF ≥ 0.45 watts/cm^2 NFPA, Class I

2.10 **CAN/ULC S102.2:** FSV 105 / SDV 340

3. INSTALLATION

3.1 See Tarkett Luxury Vinyl Plank installation instructions for complete details.

3.2 **Adhesives:**

- **Tarkett RollSmart Adhesive**:
  Coverage: 350 – 400 sq. per gallon
  (3/8" Nap Paint Roller used with a paint tray)
- **Tarkett 959HM High Moisture Substrate Adhesive**
  Porous Substrate: 125-150 sq. ft. per gallon
  Non-porous: 250-300 sq. ft. per gallon
- **Tarkett 975 Two-Part Urethane Adhesive**
  Porous & Non-Porous Substrate: 225-250 sq. ft. per gallon
- **Tarkett 996 Two-Part Epoxy Adhesive**
  Porous & Non-Porous Substrate: 225-250 sq. ft. per gallon

4. AVAILABILITY AND COST

Available through authorized Tarkett distributors nationwide.

5. MAINTENANCE

72 hours after installation is completed, initial maintenance procedures must be implemented in accordance with manufacturer's requirements. Refer to Tarkett Contour/Event/Latitude/Resolve Maintenance Instructions for complete maintenance details.

6. TECHNICAL SERVICES

Visit us on the web at **www.tarkett.com**
Contact Technical Support at (800) 899-8916 or E-mail:
Resilient.TechnicalSupport@Tarkett.com

Samples: Submittal samples for verification and approval available upon request from Tarkett. Samples shall be submitted in compliance with the requirements of the contract documents. Accepted and approved samples shall constitute the standard materials which represent materials installed on the project.

7. LIMITED WARRANTY

Limited 20-year warranty. For complete details, contact Tarkett or an authorized Tarkett distributor.

Tarkett North America
Technical Services Department
30000 Aurora Road
Solon, Ohio 44139
800.899.8916
info@tarkettna.com
www.tarkett.com

STANDARD EMBOSSING AND SIZE AVAILABILITY:

Woods Installation Methods:
6x36, 6x48 – Herringbone, Unidirectional

Stones Installation Methods:
18x18, 36x36 – Vertical Ashlar, Horizontal Ashlar, Quarter-Turn
12x24 – Vertical Ashlar

Abstract Installation Methods:
18x18 – Vertical Ashlar, Horizontal Ashlar, Quarter-Turn
12x24 – Vertical Ashlar

ABSTRACTS	Frost (FR)	Quarry (QU)
Melange (PEME) 18x18		
All colors		STD
Texterran (PETE) 12x24		
All colors	STD	

WOOD	Natural Grain (NG)	Third Grain (TG)	Rustic (RU)
Classic Plank (PECK) 6x36			
3305, 3307, 3308, 3309	STD		
3321		STD	
Classic Plank (PECK) 6x48			
11223	STD		
Crafted Plank (PECF) 6x48			
All colors ***except 11212, 11213***	STD		
11212, 11213		STD	
Heritage Plank (PEHP) 6x36			
3350, 3354			STD
GW29		STD	
GW38	STD		
Heritage Plank (PEHP) 6x48			
11219, 11220, 11221, 11222			STD

STONE	Frost (FR)	Rock (RK)	Quarry (QU)
Travertine (PETR) 18x18			
7211			STD
Travertine (PETR) 12x24			
11195	STD		
Slate (PESL) 12x24			
All colors		STD	
Urban Stone (PEUS) 18x18			
2100, 2101, 2104, 2105		STD	
Urban Stone (PEUS) 12x24			
11199, 11200, 11201, 11202, 11203			STD
Urban Stone (PEUS) 36x36			
11204, 11205, 11206			STD
Quartzite (PEQZ) 18x18			
All colors			STD

PACKAGING INFORMATION:

	Size	Pcs Per Carton	Sqft. Per Carton	Lbs. Per Carton	Cartons Per Pallet
Tile	12" x 12" (30.48 x 30.48 cm)	45	45 (4.2 m^2)	45 (20.4 kg)	54
	12" x 18" (30.48 x 45.72 cm)	30	45 (4.2 m^2)	45 (20.4 kg)	45
	12" x 24" (30.48 x 60.96 cm)	18	36 (3.3 m^2)	36 (16.3 kg)	72
	12" x 36" (30.48 x 91.44 cm)	15	45 (4.2 m^2)	45 (20.4 kg)	45
	18" x 18" (45.72 x 45.72 cm)	20	45 (4.2 m^2)	45 (20.4 kg)	60
	18" x 36" (45.72 x 91.44 cm)	10	45 (4.2 m^2)	45 (20.4 kg)	40
	9" x 36" (22.86 x 91.44 cm)	20	45 (4.2 m^2)	45 (20.4 kg)	60
	36" x 36" (91.44 x 91.44 cm)	10	90 (8.4 m^2)	90 (40.8 kg)	20
Planks	4" x 36" (10.16 x 91.44 cm)	45	45 (4.2 m^2)	45 (20.4 kg)	40
	6" x 36" (15.24 x 91.44 cm)	24	36 (3.3 m^2)	36 (16.3 kg)	66
	6" x 48" (15.24 x 121.92 cm)	18	36 (3.3 m^2)	36 (16.3 kg)	72
	7.2" x 48" (18.29 x 121.92 cm)	15	36 (3.3 m^2)	36 (16.3 kg)	60

Tarkett North America
Technical Services Department
30000 Aurora Road
Solon, Ohio 44139
800.899.8916
info@tarkettna.com
www.tarkett.com

Section 09.65.19
RESILIENT TILE/PLANK FLOORING INCLUDING EVENT COLLLECTION

THIS DOCUMENT IS INTENDED AS A SUGGESTED GUIDE FOR CREATING, MODIFYING, OR EDITING YOUR CSI FORMATTED 3-PART ARCHITECTURAL GUIDE SPECIFICATIONS.

TARKETT WILL NOT BE LIABLE FOR ANY DAMAGES ARISING OUT OF THE USE OF ANY INFORMATION OR SPECIFICATIONS FOUND IN THIS DOCUMENT.

ENSURE THAT YOU HAVE THE LATEST PUBLICATION FOR THIS SPECIFICATION.

THE SPECIFIER OR DESIGNER IS RESPONSIBLE FOR PRODUCT SELECTION AND ACCURACY OF ALL PROJECT SPECIFICATIONS, INCLUDING ANY TARKETT INFORMATION OR SPECIFICATIONS USED.

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:
   1. Resilient Luxury Vinyl Tile Flooring

1.3 SUBMITTALS

A. Product Data: For each type of product indicated.

B. LEED Submittals:

   1. Product Data for Credit EQ 4.1: For adhesives, include printed statement of VOC content and chemical components.

C. Samples for Initial Selection: For each type of product indicated.

D. Samples for Verification: For each type of product indicated, in manufacturer's standard-size samples of each resilient product color, texture, and pattern required.

E. Product Schedule: For resilient products. Use same designations indicated on Drawings.

Section 09.65.19
RESILIENT TILE/PLANK FLOORING INCLUDING EVENT COLLLECTION

1.4 QUALITY ASSURANCE

A. Installation Qualification: Contractors for floor covering installation should be experienced in managing commercial flooring projects and provide professional installers, qualified to install the various flooring materials specified. An installer is "qualified" if trained, or a certified by Tarkett or a certified INSTALL (International Standards & Training Alliance) resilient floor covering installer.

B. Mockups: Provide resilient products with mockups specified in other Sections.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Store resilient products and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by Tarkett, but not less than 55 deg F (13 deg C) or more than 85 deg F (29 deg C).

1.6 PROJECT CONDITIONS

A. Install resilient products after other finishing operations, including painting, have been completed.

B. Maintain ambient temperatures within range recommended by Tarkett, but not less than 65 deg F (18 deg C) or more than 85 deg F (29 deg C) in spaces to receive resilient products during the following time periods:
1. 48 hours before installation.
2. During installation.
3. 48 hours after installation.

C. Maintain the ambient relative humidity between 40% and 60% during installation.

D. Until Substantial Completion, maintain ambient temperatures within range recommended by Tarkett, but not less than 55 deg F (13 deg C) or more than 85 deg F (29 deg C).

PART 2 - PRODUCTS

2.1 RESILIENT SHEET FLOORING

Manufacturer:
Tarkett North America
30000 Aurora Rd.
Solon, OH 44139
Phone: (800) 899-8916
Web: www.tarkettna.com

Section 09.65.19
RESILIENT TILE/PLANK FLOORING INCLUDING EVENT COLLLECTION

2.2 PERFORMANCE REQUIREMENTS

A. Fire-Test-Response Characteristics: For resilient tile flooring, as determined by testing identical products according to ASTM E 648 or NFPA 253 by a qualified testing agency.

1. Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm.

B. Flooring products shall comply with the requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."

2.3 **EVENT** LUXURY VINYL TILE <**Insert drawing designation**>

A. Basis-of-Design Product: Subject to compliance with requirements, provide Tandus Centiva, a Tarkett Company; [**Classic Stone**] [**Classic Plank**] [**Crafted Plank**] [**Heritage Plank**] [**Quartzite**] [**Slate**] [**Striate**] [**Travertine**] [**Urban Stone**] or comparable product.

B. Tile Standard: ASTM F 1700, [**Class III, Type B, printed film vinyl tile , embossed surface**].

C. Wearing Surface: [**Embossed**].

D. Edge Treatment: [**Square**] or [**Microbevel**].

E. Thickness/Wearlayer: 0.120 inch (3.0 mm).

F. Sizes:

1. For **Classic Stone, Travertine, Quartzite, Slate,** specify: [12 by 18 inches (30.5 by 45.7 cm), 18 by 18 inches (45.7 by 45.7 cm)] <**Insert dimensions**>
2. For **Classic Plank, Heritage Plank,** specify: [4 by 36 inches (10.2 by 91.4 cm), 6 by 36 inches (15.2 by 91.4 cm)] <**Insert dimensions**>
3. For **Striate,** specify: [18 by 18 inches (45.7 cm by 45.7 cm), 12 by 36 inches (30.5 by 91.4 cm), 18 by 36 inches (45.7 by 91.4 cm)] <**Insert dimensions**>
4. For **Crafted Plank,** specify: [6 by 48 inches (15.2 by 121.9 cm), 7.2 by 48 inches (18.3 by 121.9 cm)] <**Insert dimensions**>
5. For **Urban Stone,** specify: [18 by 18 inches (45.7 cm by 45.7 cm), 12 by 36 inches (30.5 by 91.4 cm), 18 by 36 inches (45.7 by 91.4 cm), 36 by 36 inches (91.4 by 91.4 cm)] <**Insert dimensions**>

G. Colors and Patterns: [**As indicated by manufacturer's designations**] [**Match Architect's sample**] [**As selected by Architect from full range of industry colors**] <**Insert colors and patterns**>.

H. Test data:
1. Wear layer: 0.030 inches (0.76 mm)
2. Size, Squareness, ASTM F2055: Passes
3. Flexibilty, ASTM F137: Passes

4. Chemical Resistance, ASTM E925: Passes
5. Static Load Limit, ASTM F970: 250 psi, ≤ 0.005 inches
6. Resistance to Heat, ASTM F1514: $\Delta E \leq 8$
7. Resistance to Light, ASTM F1515: $\Delta E \leq 8$
8. Residual Indentation, ASTM F1914: Passes
9. Static Coefficient of Friction (SCOF), ASTM D2047: ≥ 0.5 SCOF
10. Dimensional Stability, ASTM F2199: Passes
11. Flamability, ASTM E648 Critical Radiant Flux: Class 1 (≥ 0.45 W/cm^2)
12. Smoke Density, ASTM E662: ≤ 450
13. Limited Commercial Warranty: 20 years

2.4 INSTALLATION MATERIALS

A. Trowelable Leveling and Patching Compounds: Latex-modified, Portland cement based or blended hydraulic-cement-based formulation.

B. Adhesives: As recommended by Tarkett to meet site conditions
1. Resilient Vinyl Floor Tile
   a. Tarkett RollSmart™
   b. Tarkett 959 Adhesive
   c. Tarkett 975 Two-Part Urethane Adhesive

2.5 INSTALLATION MATERIALS

A. Trowelable Leveling and Patching Compounds: Latex-modified, Portland cement based or blended hydraulic-cement-based formulation.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the work.

B. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of resilient products.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Prepare substrates according to Tarkett written instructions to ensure proper adhesion of Resilient Flooring.
1. Prepare concrete substrates in accordance with ASTM F 710.
   a. Concrete floors must be free of dust, solvent, paint, wax, oil, grease, residual adhesive, adhesive removers, film-forming curing compounds, silicate penetrating curing compounds, sealing, hardening or parting compounds, alkaline salts, excessive carbonation or laitence, mold, mildew, and other foreign materials that

may affect dissipation rate of moisture from the concrete, discoloration or adhesive bonding.

b. Mechanically remove contamination on the substrate that may cause damage to the resilient flooring material. Permanent and non-permanent markers, pens, crayons, paint, etc., must not be used to write on the back of the flooring material or used to mark the substrate as they could bleed through and stain the flooring material.

c. Perform moisture testing as recommended by manufacturer. Proceed with installation only after substrates have been tested and meet the minimum requirements from the manufacturer in accordance with ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride or ASTM F2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes.

d. A pH test for alkalinity must be conducted on the concrete floor prior to installation with results conforming to manufacturer requirements. If the test results are not within the acceptable range, then installation must not proceed until the problem has been corrected.

2. Wood subfloors must have a minimum 18" (45.7 cm) of cross-ventilated space beneath the bottom of the joist.

a. The floor must be rigid, free of movement.

b. Single wood and tongue and groove subfloors should be covered with ¼" (6.4 mm) or ½" (12.7 mm) APA approved underlayment plywood.

1) Use ¼" (6.4 mm) thick underlayment panels for boards with a face width of 3" (76 mm) or less.

2) Use ½" (12.7 mm) thick underlayment panels for boards with a face width wider than 3" (76 mm).

c. Do not install over OSB (Oriented Strand Board), particle board, chipboard, lauan or composite type underlayments.

B. Fill cracks, holes, depressions and irregularities in the substrate with good quality Portland cement based underlayment leveling and patching compound and remove bumps and ridges to produce a uniform and smooth substrate.

C. Floor covering shall not be installed over expansion joints.

D. Do not install resilient products until they are same temperature as the space where they are to be installed.

1. Move resilient products and installation materials into spaces where they will be installed at least 48 hours in advance of installation.

E. Sweep and vacuum clean substrates to be covered by resilient products immediately before installation.

3.3 RESILIENT TILE FLOORING INSTALLATION

A. Comply with manufacturer's written instructions for installing resilient tile flooring.

B. Luxury Vinyl Tile Flooring:

1. Install with Tarkett adhesive specified for the site conditions and follow adhesive label for proper use.

2. Follow Tarkett's recommendation for tile orientation.
3. Open enough cartons of floor tiles to cover each area, and mix tile to ensure shade variations do not occur within any one area.
4. Roll the flooring in both directions using a 100 pound three-section roller.

3.4 CLEANING AND PROTECTION

A. Comply with manufacturer's written instructions for cleaning and protection of resilient products.

B. Perform the following operations immediately after completing resilient product installation:
   1. Remove adhesive and other blemishes from exposed surfaces.
   2. Sweep and vacuum surfaces thoroughly.
   3. Damp-mop surfaces to remove marks and soil.

C. Protect resilient products from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.
   1. No traffic for 24 hours after installation.
   2. No heavy traffic, rolling loads, or furniture placement for 48 hours after installation.

D. Wait 48 hours after installation before performing initial cleaning.

E. A regular maintenance program must be started after the initial cleaning.

END OF SECTION 09.65.19

959HM High Moisture Adhesive

Product Specification

DESCRIPTION

- Tarkett 959HM High Moisture Adhesive is specifically formulated for the installation of:
  - iD Latitude
  - Contour Collections
  - Event+
  - Even Plane
- Tarkett 959HM High Moisture Adhesive is a solvent-free, acrylic adhesive.
- High strength adhesive made for installations over porous and non-porous substrates.
- Single component that requires no mixing.

:

Tarkett North America
30000 Aurora Rd.
Solon, OH 44139
Phone: (800) 899-8916
Web: www.tarkett.com
Email: info@tarkett.com

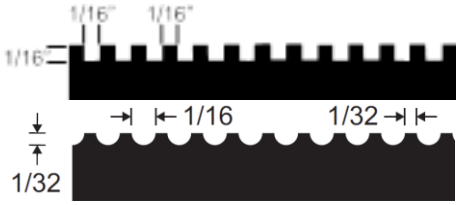
PACKAGING INFORMATION

For availability and cost, contact authorized Tarkett distributors or retailers nationwide.

- Packaging:
  - One Gallon
    - SKU: 297038338
    - Units per Carton: 4
    - Units per Pallet: 140
    - Weight per Unit: 9.46 lbs. (4.29 kg)
    - Weight per Pallet: 1407.2 lbs. (638.3 kg)
  - Four Gallon
    - SKU: 297038082
    - Units per Carton:1
    - Units per Pallett:49
    - Weight per Unit: 36.7 lbs. (16.6 kg)
    - Weight per Pallett: 1806.6 lbs. (819.5 kg)

COVERAGE:

Porosity/absorbency shall be determined by following ASTM F3191.



- **Porous –** 1/16x1/16x1/16 Square-notch trowel – 125-150 ft^2 (11.6-16.7 m^2) per gallon
- **Non-Porous –** 1/16x1/32x1/32 U-notch trowel – 250-300 ft^2 (20.4-24.1 m^2) per gallon

ENVIRONMENTAL SUSTAINABILITY

Refer to Tarkett Ecomedes at https://tarkett.ecomedes.com/ for complete information on current certifications

- Certified a Non-Hazardous substance or mixure according to OSHA 29 CFR 1910.1200 and Hazardous Products Regulation (HRP) (SOR/2015-17)
- FloorScore Certified
- **SCAQMD Rule 1168** VOC content: (0 g per L)

TECHNICAL DATA:

- Base – Acrylic Polymer
- Color – White
- Consistency – Trowelable Paste
- Open Time – allow to become dry to the touch with little transfer to finger, time will depend on site conditions (See 4.2. below)
- Working Time – Up to 2 hours
- Shelf Life – 2 years at 65˚F (18˚C) to 85˚F (30˚C) and when stored in unopened, original container in a fully enclosed, climate-controlled area
- Freeze/thaw – Do not allow product to freeze

APPLICATION:

Always perform an adhesive bond test prior to installation. Bond testing prior to the installation will help identify the appropriate application rate, open and working time, and any potential bonding problems to the substrate or flooring.

- Recommended over select Porous and Non-Porous substrates (see table below) that meet the following:
  - Clean, smooth, structurally sound, dry, and free of dust, dirt, wax, paint, grease, sealers, curing compounds, existing adhesive residues, or other contaminates that may interfere with adhesive bond
  - Fully enclosed, interior spaces with permanent HVAC climate controls

    NOTE: If a system other than permanent HVAC is utilized, it must provide proper control of both temperature and humidity to below limits for the specified time periods
  - Site conditions: Maintain below conditions for 48 hours prior, during the entire installation, and 48 hours after
  - 65° - 85°F (18.3° - 29.4°C)
  - 40% - 60% relative humidity
  - Substrate temperature must be a minimum of 60°F (15.6°C), within 5°F (2.8°C) of the ambient room temperature, and a minimum of 10°F (5.6°C) above dew point
- Approved Substrates:

Substrate	Type	Special Requirements
Concrete	**ALL CONCRETE**	**AT THE TIME OF INSTALLATION: Testing the substrate with a Tramex moisture encounter meter (refer to ASTM F2659) is recommended due to possible issues related to topical moisture from dew point conditions. Substrate surface readings must not exceed 4.0%, if above 4.0%, contact Tarkett Technical Services prior to beginning installation. If these conditions are not properly addressed, the open and working times, bond strength, and setting of the adhesive may be affected.**
		A moisture/pH resistant cementitious underlayment may be needed. Contact the manufacturer of these underlayments for best recommendations.
		Must be prepared according to ASTM F710
	On- and Below-Grade Concrete	Fully intact vapor retarder meeting ASTM E1745* in direct contact with the bottom of the slab and installed according to ASTM E1643*
	New Concrete	Moisture: ASTM F2170* – do not exceed 99% RH ASTM F1869* – do not exceed 10 lbs. (If moisture exceeds above, see excess moisture remedies)
		pH levels of 7 to 12 (as tested according to ASTM F3441)
	Concrete older than 2 years	Moisture: ASTM F2170* – do not exceed 95% RH ASTM F1869* – do not exceed 8 lbs. (If moisture exceeds above, see excess moisture remedies)
		pH levels of 7 to 10 (as tested according to ASTM F3441)
Wood	Underlayment Grade Plywood	APA rated
		Meets ASTM F1482*
		Prepared according to ASTM F1482
Terrazzo & Ceramic	All Types	Surface must be thoroughly sanded to remove all glaze and waxes. Remove or replace all loose tiles and clean the grout lines. Use a good quality Portland cement based leveling compound to fill all grout lines and other depressions.
Steel Floors	All Grades	Follow all Non-Porous installation instructions
		Must clean the floor to remove all dirt, rust, and other contaminates, mechanically abrade to assist with adhesive bond, and prime with a rust inhibitor
Concrete equipped with Radiant Heat	All Grades	48 hours prior to installation, turn down thermostat to 65°F (18.3°C)
		Wait 48 hours after installation before raising thermostat, then increase in increments of 5°F (2.8°C) per 24 hours
		Surface temperature must never exceed 85°F (29.4°C)

*Use most current ASTM standard

- Excessive Moisture Remedies:
  - **Moisture mitigation** – Tarkett does not recommend any specific system, only that it must be compliant with ASTM F3010 and capped with a quality cementitious product prior to the installation of Tarkett Flooring. **DO NOT install 959 High Moisture Vinyl Tile and Plank adhesive directly over a moisture mitigation system.**

LIMITATIONS:

DO NOT install Tarkett Flooring in the below conditions:

- Visible signs of moisture are present on the substrate
- Areas that have previous moisture or alkali related issues
- Concrete currently has hydrostatic pressure, osmotic pressure, or alkali silica reaction conditions. Concrete with these issues/conditions must be corrected by installing a moisture mitigation system compliant with ASTM F3010
- Directly over moisture mitigation systems
- DO NOT install over expansion joints, or other moving joints in the substrate
- DO NOT use adhesive as a moisture barrier; Adhesive is not intended to replace a moisture mitigation system and cannot form a protective moisture barrier between the substrate and finish flooring

INSTALLATION:

- **General Installation Requirements:**
  - Tarkett flooring and adhesives must be site conditioned at room temperature for a minimum of 48 hours prior to, during the entire installation, and 48 hours after installation.
  - The interior air temperature must be maintained by operational HVAC between 65˚ - 85˚F (18.3˚ - 29.4˚C) with a relative humidity between 40% - 60%. Substrate should be a minimum of 10˚F (5.6˚C) higher than the dew point temperature and within 5˚F (2.8˚C) of the ambient room temperature. We strongly recommend the permanent HVAC system be fully operating.

  NOTE: If a system other than the permanent HVAC source is utilized, it must provide proper control of both temperature and humidity to recommended or specific levels for the appropriate time duration as stated above.
- **Installation Instructions**
  1. Select trowel based on porosity of the substrate. See above for recommended trowel size.
  2. Spread the adhesive uniformly with the recommended trowel. Working time will vary with temperature, humidity, and substrate porosity. Typical working time is between 1-2 hours depending on site conditions. If more adhesive is spread during this open time than can be covered with the flooring, it should be mechanically scraped to a clean substrate and re-applied.

     NOTE: In some applications, adhesive back rolling procedure may be necessary. Follow all steps for this procedure outlined on the Adhesive Back Rolling Tip sheet and found in the Even Plane installation video at:

     Even Plane Luxury Vinyl Tile Installation Video

     (https://youtu.be/2zBffG1cOiw?si=HJ4C4NEWlSXCCKvu)
  3. Install flooring into adhesive as it becomes dry to the touch with little transfer to finger when lightly touched. Transfer to the back of the floor covering is critical to a successful installation. During installation, periodically lift the corner of the flooring to ensure proper adhesive transfer.
  4. Immediately after the flooring is placed, roll in both directions with a 100 lbs., three-section roller. Trowel ridges should be slightly deformed after rolling. Use a small hand roller in difficult to reach areas.
  5. After 1 hour, roll entire flooring a second time

CLEANUP:

- Wet adhesive: Use a clean white cloth dampened with water to remove wet adhesive from floor covering and tools.
- Dried adhesive: May require the use of denatured alcohol or methyl hydrate applied to a clean white cloth (Follow manufacturer's precautions when using these chemicals).

TRAFFIC:

- Restrict all traffic for 24 hours after installation.
- No heavy traffic, rolling loads, or furniture placement for 72 hours after installation.
- Wait 72 hours after installation before performing initial cleaning.

TECHNICAL SERVICES

Visit us on the web at **www.tarkett.com**
Contact Technical Support at (800) 899-8916 or E-mail: **Resilient.TechnicalSupport@Tarkett.com**

LIMITED WARRANTY

Adhesive warranty is a "system warranty" covered under the product that is recommended to be installed in conjunction with this adhesive. Refer to Tarkett limited warranty for complete details.

Tarkett North America
Technical Services Department
30000 Aurora Road
Solon, OH 44139
800.899.8916
info@tarkettna.com
www.tarkett.com

Product Datasheet

Premium Plus

UZIN NC 110

Synthetic gypsum-based self-leveling compound

DESCRIPTION:

Fast-drying, gypsum self-leveling compound suitable for all types of interior floor covering work for depths up to 2".

SUITABLE FOR:

- Interior use only
- Producing flat and smooth surfaces for the installation of textile, resilient, ceramic, and engineered wood floor coverings
- Use as a self-leveling layer over existing hard surface flooring such as well bonded terrazzo, ceramic tile, stone, and well bonded epoxy coatings
- Use over structurally sound concrete, APA Exposure Type 1 plywood and OSB, or equally rated subfloor materials
- Renovation of gypsum and portland-based leveling compounds
- Use over well bonded adhesive residues including cutback adhesive*
- Residential and commercial use
- Use with radiant floor heating systems

*See "Substrate Preparation" for additional information

FEATURES AND BENEFITS:

- Level Plus Effect S • Speed, Strength, Safety, Savings
- Versatile • Applies from 1/16" up to 2" (1.5-50 mm) depth
- Synthetic gypsum • Virtually stress-free drying and curing properties
- Very smooth surface • Improves adhesive coverage rate
- Excellent mixing properties • Pumpable
- High compressive and tensile strengths • Great load bearing capacity

TECHNICAL DATA:

Packaging	50 lb (22.7 kg) paper bag
Storage	min. 12 months in unopened bag
Water quantity	5.0–5.5 quarts per 50 lb bag (4.75–5.25 liters per 22.7 kg bag)
Color	white
Coverage	60 sq. ft. at 1/8" per 50 lb bag* (5.57 m² at 3 mm per 22.7 kg bag)*
VOC	0 g/L
Working time	20-30 minutes
Ready for foot traffic	2 hours*
Ready for covering	see ready for covering chart
Minimum application temperature	50 °F (10 °C) at floor level
Flow ring spread	~6.5 in (166 mm) ASTM C1708
Strength	compressive: 5,200 at 28 days flexural: 1,100 psi at 28 days ASTM C1708 | air cure only

*At 70 °F (21 °C) and 65% relative humidity. Surface profile and porosity, application depth, temperature, and humidity will affect dry time and coverage.

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UZIN NC 110

PRODUCT PROPERTIES:

UZIN NC 110 develops minimal stress during its drying process, enabling greater leveling depths over uneven, mixed or worn substrates. Associated time and labor costs in demolition and replacement of existing substrates can be avoided.

The Level Plus Effect S provides the installer with these key advantages:

- Speed – Superior hydration process allows for installation after 16 hours
- Strength – Unique formulation provides a solid and durable finish over difficult substrates
- Safety – Optimum performance ensures peace of mind, even with demanding site conditions
- Savings – Minimal surface preparation following application reduces labor costs

SUBSTRATE PREPARATION:

The subfloor must be structurally sound, solid, dry, free from active cracks, clean, and free of all contaminants, including but not limited to dust, grease, oil, paint, wax, curing, and sealing compounds, or cleaning solution residue that would impair adhesion. If necessary, mechanically prepare and clean the surface by grinding, shot blasting, or sanding, and thoroughly vacuum off all loose material and dust following OSHA recommended guidelines. Do not use sweeping compounds. Any weakly bonded or soft surface material, such as loose patching compounds, leveling compounds, floor coverings, or coatings, must be removed. Do not apply this product over any acid-etched or chemically abated adhesive surfaces. Wood substrates must provide a rigid base and be securely fastened without excessive vertical movement. The surface of the wood must be clean and free of oils, grease, wax, dirt, varnish, shellac, and any contaminates that would impair adhesion. If necessary, sand down to bare wood. Do not apply UZIN products directly to fire-retardant or pressure-treated wood surfaces. Please refer to the UZIN Substrate Preparation Guide for additional information.

CAUTION: Inhalation of asbestos dust may cause asbestosis or other serious bodily harm. Do not sand, grind, or disturb any surface or adhesive residue that may contain asbestos or lead, as harmful dust may result. Refer to the Resilient Floor Covering Institute's publication "Recommended Work Practices for Removal of Resilient Floor Coverings" for instructions.

Substrate Moisture Testing and Assessment

Evaluate concrete substrates following ASTM F710 guidelines. Select a suitable UZIN moisture vapor retarder if required. UZIN NC 110 and UZIN acrylic primers are not vapor retarders and allow water vapor diffusion. Always reference the limitations of the UZIN products, floor covering, and adhesive manufacturers' guidelines. If these limitations are in conflict, the most stringent requirements shall apply.

UZIN Moisture Mitigation System-Concrete Substrates

UZIN Moisture Vapor Retarder (MVR)				
Surface	UZIN MVR	Max RH*	pH control	UZIN Primer
Concrete all grade levels, no ASTM E1745 vapor retarder requirement	PE 460	100%	5-14	PE 280
Concrete all grade levels	PE 414	95%	5-14	PE 280

*ASTM F2170 using in situ probes.

PRIMING:

UZIN NC 110 requires the floor surface to be primed before application. According to floor surface type and absorbency, select a UZIN primer. For detailed UZIN primer information, please refer to the UZIN primer datasheet located at us.uzin.com. or contact UZIN for technical guidance.

UZIN Primer Quick Reference Chart			
Surface	Absorbency	UZIN Primer	Max RH
Concrete-all grade levels, gypsum and cement-based leveling compounds, cement terazzo*	porous	PE 360 PLUS	75%
	porous	PE 260	75%
	non-porous (dense)	PE 260, PE 280	75%
UZIN PE 460 or PE 414 TURBO as non MVR coating	non-porous	PE 280	75%
Prepared adhesive layers	non-porous	PE 260, PE 280, PE 414 w/PE 280	-
Plywood, OSB, underlayment	porous	PE 260	-
Dense coatings, ceramic tile, epoxy terrazzo	non-porous	PE 280	-
Metal with protective coating	non-porous	PE 280	-
Bare metal-refer to UZIN Metal Adhesion Chart then prime	non-porous	PE 280	-

APPLICATION:

1. Optimum product application conditions are 60–77 °F (16–25 °C) and relative humidity below 65 %.
2. Pour 5.0–5.5 quarts (4.75–5.25) of cold, clean water per 50 lb bag into a clean container.
3. Slowly pour in the powder and mix vigorously for 1 minute per bag until blended to a viscous, lump free consistency. Use a heavy-duty drill with a UZIN Flat Cage or Oval mixing paddle (minimum 650 rpm).
4. Pour the mix onto the primed substrate. Working time is approx. 20-30 minutes.
5. Coverage rate at 1/8" (3 mm) depth is approx. 60 sq. ft. per 50 lb bag.
6. Provides extremely smooth finish up to 2".
7. Distribute product evenly with a suitable gauging tool (A) and smooth or spike roll the wet finish promptly (B).
8. Product is dry to accept foot traffic after 2 hours.

9. Ready for installation of common floor coverings after approx. 16 hours. Depth of application, ambient conditions, and surface porosity will affect dry time.
10. Product has a minimum 12 month storage life in original packaging when stored indoors in dry conditions.

UZIN PE 460 and UZIN PE 414 TURBO Coatings, Ceramic Tile, Dense and Smooth Coatings, Epoxy Terrazzo

Prime with UZIN PE 280. Apply UZIN NC 110 at a minimum of 1/32" (1 mm) for use with dispersion (water-based) adhesives for nonporous surfaces and two-component epoxy adhesives. Apply at 1/8" (3 mm) thickness when using dispersion wet set adhesives with resilient floor covering.

Floor covering	Depth	Ready for covering*
Carpet, moisture insensitive resilient flooring, ceramic	1/8" (3 mm)	16 h
	1/4" (6 mm)	2–3 d
	3/8" (9 mm)	7 d
	3/4" (18 mm)	10–14 d
Engineered wood	1/8" (3 mm)	2–3 d
Each additional 1/8" (3 mm)		1 d

*Over porous surface at 70 °F (21 °C) and 65% RH.

IMPORTANT NOTES:

- High temperatures and low humidity will accelerate the setting, drying, and readiness for covering. Low temperature, high humidity, and greater depths will delay drying. In summer, store in cool conditions and use cold water.
- Do not apply to wet surfaces. Observe surface temperature at a minimum 5°F (3°C) above the dewpoint with temperature on the rise during application.
- Protect freshly applied material from drafts, direct sunlight, direct sources of heat, and freezing temperatures.
- Install UZIN Foam Expansion Strips at verticle transitions (walls, pipes, door framing) for depths greater than 1/4" (6mm). Expansion joints must be honored through the leveling compound and floor covering, prevent the mix from flowing into expansion joints.
- Pumpable using continuous feed mixer pumps.
- For information regarding sand extension please call the UZIN Technical Dept.
- If multiple layers of leveling compounds are necessary, allow the first layer to dry completely and then prime with UZIN PE 260 (1:3 dilution) or PE 360 PLUS. The second layer must not exceed the thickness of the first layer.
- Substrate conditions (surface profile, density or surface strength, in-service use) are recommended to be qualified before application of leveling compounds that will exceed 1/2" (12.5 mm) depth. UZIN PE 460 reaction resin gritted with a broadcast of clean, dry sand #20 (ASTM U.S. Sieve Number) should be considered. Please contact UZIN for technical guidance.
- Do not use in exterior or wet areas.
- The following standards and product regulations apply:
  - ASTM F710 “Standard Practice for Preparing Concrete Floors To Receive Resilient Flooring"
  - ASTM C1708 “Standard Test Method for Self-leveling Mortars Containing Hydraulic Cements”
  - ASTM F2170 “Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes"
  - ASTM F1869 “Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride”
  - ASTM C109 "Standard Test Method for Compressive Strength of Hydraulic Cement Mortars"
  - ASTM C348 "Standard Test Method for Flexural Strength of Hydraulic-Cement Mortars"

COMPOSITION:

Special binders, mineral aggregates, redispersible polymers, and additives.

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Read and follow all safety and environmental precautions and instructions on the packaging label and the Safety Data Sheet (SDS). The SDS is available at www.uzin.us.

WARNING: This product can expose you to chemicals including crystalline silica, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

DISPOSAL:

For disposal and recycling, follow the applicable laws and regulations. When possible, avoid or minimize waste generation. Do not allow the material to get into sewers, waterways or unlined ground surfaces. Empty packaging can be recycled.

INDOOR AIR QUALITY INFORMATION

Certification: SCS Indoor Advantage™ Gold

VOC content: 0 g/L; compliant with SCAQMD Rule 1113

VOC emission: Conforms to the CDPH Standard Method (CA 01350) V1.2-2017; 5.0 mg/m3 or less TVOC emission.