

## Jacobsen Aspecta LVT Flooring & NZ Building Code E3

### **E3 – Amendment 7 to Acceptable Solution E3/AS1 for Internal Moisture**

*Amendment 7 to the Acceptable Solution E3/AS1, for Clause E3 Internal Moisture of the New Zealand Building Code came into force on 3 November 2021, with the previous Amendment 6 expiring on this date. Amendment 7 was effective from 5 November 2020, however, was subject to a one-year transition period.*

*One of the main changes is that Amendment 7 now includes the reclassification of dishwashers and washing machines as Sanitary Appliances and basins and sinks as Sanitary Fixtures. There is a requirement for ensuring flooring solutions which must now have a finish that is both impervious and easily cleaned extending at least 1.5 metres from all sanitary fixtures and appliances.*

### **Independently Tested – Jacobsen Aspecta Elemental LVT Flooring is an E3 Alternative Solution**

Independently tested in New Zealand by SGS Industrial Certification Services, a 48-hour water spill test showed that there was no noticeable change to the Jacobsen Aspecta Elemental LVT Flooring and that there was no water penetration through to the flooring substrate when installed using the following method:

- Substrate Flooring Membrane: If required, substrate to be protected by Uzin PE460 2-Component Epoxy Blocking Primer to act as a barrier against moisture penetration.
- Jacobsen Aspecta Elemental LVT adhered to the substrate using Uzin KE68T 1-Component Hybrid Adhesive.
- All perimeter edges and penetrations to be sealed with a MS Silicone.

#### **Notes:**

- A membrane is only required in a defined wet area such as a bathroom or shower room, however, in a multilevel residential building this should be a consideration.
- In a kitchen/scullery area the Uzin KE68T Hybrid Adhesive provides a sufficient barrier against moisture penetration to the substrate.
- If required a suitable levelling compound will be recommended by Jacobsen and Uzin.



Inspired flooring since 1962

## **Installation and Maintenance**

Installation and maintenance are to be carried out following the Aspecta Installation and Maintenance guide attached except for the alterations highlighted above.

The following documents are attached:

Aspecta Elemental XL – Installation, Maintenance, Warranty and Datasheet. Also, Datasheets for Uzin PE 460 Epoxy Primer and KE 68T Hybrid Adhesive.

## **Further Information**

For further information please contact Jacobsen via phone 0800 800 460

Or refer to the Jacobsen website <https://jacobsen.co.nz/contact/>

**Jacobsen.co.nz**

Auckland | Wellington | Christchurch | 0800 800 460

Head Office | 41D Morrin Road, Mt Wellington 1072 | PO Box 28042, Remuera 1541, Auckland, New Zealand



**JACOBSEN  
BRINGS YOU**

**Aspecta  
Elemental XL  
Planks**

## Luxury Vinyl Tile

Suitable for all residential and commercial applications such as:

- > Healthcare
- > Retail
- > Education
- > House
- > Workplace
- > Cafe
- > Restaurant

Technical Data	Standard	Result
Construction		Solid vinyl tile
Surface Treatment		Duraspect™ polymer finish
Residual Indentation	EN ISO 24343-1	≤0.1mm - Pass
Dimensional Stability	EN ISO 23999	≤0.25% - Pass
Colour Fastness to Light	ISO 105-B02	≥Grade 6 - Pass
Castor Chair Test	ISO 4918	Pass
Chemical Resistance	EN ISO 26987	No change
Thermal Resistance	EN ISO 12667	0.01745m <sup>2</sup> K/W at 10° C
Abrasion / Wear Resistance	EN ISO 660-2	Fv ≤2.00mm <sup>3</sup> /100r
Static Electrical Propensity	EN 1815	≤2.0kV
Fire Test CRF	EN ISO 9239-1:2010	9.8 kW/m <sup>2</sup>
Slip Resistance SRV	AS 4586	SRV 41



### Packaging Details

	Elemental XL 2.5mm Plank	Elemental 2.5mm Chevron	Elemental 2.5mm Herringbone	Elemental XL 5.0mm Plank
Size	1524mm x 228.6mm	690mm x 115mm	762mm x 152.4mm	1524mm x 228.6mm
Wear Layer	0.55mm	0.55mm	0.55mm	0.50mm
Edge Detail	4 sides Micro Bevel Edge			
Thickness	2.5mm	2.5mm	2.5mm	5.0mm
Pieces/Carton	10	36	24	4
Coverage/ Carton	3.48m <sup>2</sup>	2.86m <sup>2</sup>	2.79m <sup>2</sup>	1.39m <sup>2</sup>
Warranty	15 year Commercial and 20 year Residential			

### Benefits:

Environmental certification - EPD, Declare, Floorscore, Eurofins Low VOC  
Planks stocked in 2.5mm and 5.0mm thickness  
Specific planks for Chevron or Herringbone design work in 2.5mm only  
Extra large plank format  
Four sided micro bevel  
In Register surface embossing  
Glue down installation  
Heavy duty wear layer  
Can be installed in kitchens and bathrooms

**Jacobsen®**



**Talk to one of our experts, or visit our website:**

0800 800 460 | [jacobsen.co.nz](http://jacobsen.co.nz) | [customer.services@jacobsen.co.nz](mailto:customer.services@jacobsen.co.nz)



ELEMENTAL

LVT DRYBACK FLOORING

BY ASPECTA

DRYBACK LVT

# PROFESSIONAL INSTALLATION MANUAL

NOTE: THIS DOCUMENT SUPERSEDES ALL PRINTED AND ELECTRONIC INSTALLATION DOCUMENTS PREVIOUSLY DISTRIBUTED FOR ELEMENTAL™ FLOORING.

<b>INTRODUCTION</b>	<b>3</b>
GENERAL INFORMATION	3
JOBSITE INSPECTION AND TESTING	4
MATERIAL RECEIVING, HANDLING AND STORAGE	4
SUBFLOOR PREPARATION	4
CONCRETE SUBFLOORS	5
WOOD SUBFLOORS	5
OTHER SUBFLOORS (Ceramic tile, etc.)	5
UNAPPROVED SUBSTRATES	6
SUBFLOOR HEATING (Special considerations)	6
<b>INSTALLATION</b>	<b>6</b>
GENERAL INFORMATION	6
CHECK RUN NUMBERS AND MANUFACTURER DATE	6
Elemental™ RESILIENT TILE INSTALLATION	8
Elemental™ RESILIENT PLANK INSTALLATION	9
<b>CARE &amp; MAINTENANCE</b>	<b>10</b>
Elemental™ DRYBACK – GENERAL CARE & MAINTENANCE	10

## INTRODUCTION

Elemental™ dryback LVT/LVP (luxury vinyl tile/plank) is a high-performance, “dryback” (glue-down) flooring product, designed for permanent installations using the full-spread professional installation method, applied with an appropriate recommended adhesive.

This document will provide you with information to help you assess the jobsite conditions, select quality subfloor preparation materials, and ensure that your work is completed to the highest of standards. Good preparation, communication between all parties, and attention to detail when following instructions are key to a successful installation.

This document provides information and guidance based upon years of collective experience and best industry practices. Elemental™ should only be installed by professional flooring installers that have demonstrated successful installations of jobs in similar size and scope. For the most secure warranty protection, Elemental™ flooring should be installed in strict accordance with the information and procedures outlined in this document. It is highly recommended that you review this document entirely before starting an Elemental™ flooring installation.

It is important to avoid problems from the outset. If you are unsure of any information provided in this document or are having a problem with your installation, please stop your work and contact your local distributor or Elemental™ Customer Service for additional guidance. Elemental™ Customer Service can be reached by phone at: +31(0)881662500, from Monday through Friday, 9:00 a.m. to 5:00 p.m., or by email: [info@elementalbyaspecta.com](mailto:info@elementalbyaspecta.com)

## GENERAL INFORMATION

The key to a successful and trouble-free installation is thorough preparation. Do not install Elemental™ flooring without first performing a thorough on-site evaluation (including jobsite testing), ensuring that subfloor preparations are finished, and that the work of all other trades has been completed. Site conditions must comply with the information provided within this document. When installing Elemental™ flooring, always use best practices and follow the applicable standards for the installation of floorcoverings, such as BS 8203 in the UK and VOB, Part C, DIN 18365 in Germany and all other relevant European, national and local standards.

- Elemental™ dryback LVT/LVP is available in different sizes and formats. Note: Be aware that some Elemental™ products are square edge and some are micro-beveled.
- Elemental™ dryback is intended for interior use only and is suitable for above-grade, on-grade and below-grade applications. However, Elemental™ should not be installed in locations where the substrate beneath the building structure is exposed to the elements.
- Elemental™ dryback is not recommended for exterior installations or for use in areas that are not climate-controlled.
- Elemental™ dryback is recommended for the use over properly prepared concrete, suspended wood, metal and other suitable substrates.
- Acclimate flooring, adhesives, and the job-site: only install Elemental™ in climate-controlled structures consistently maintained at temperatures between 15°C - 30°C (65°-85°F) and 35%-85% RH a minimum of 48 hours before, all times during, and continuously after installation.
- Protect Elemental™ from foot traffic for 24 hours after installation, allowing full bonding and drying of the glue. Do not wash Elemental™ flooring for five days after installation.

## JOBSITE INSPECTION AND TESTING

Prior to installation, plan and attend an on-site construction meeting with the General Contractor, Architect, and Property Owner to review all requirements and inspect site conditions as outlined in this document and any relevant building codes or national regulations. Flooring installation should not begin until all site conditions have been assessed, testing has been completed, the subfloor has been prepared, and all conditions are in compliance. Defects should be addressed immediately and corrected before installing Elemental™ Flooring. **Installation of material constitutes acceptance of all conditions!**

1. The building construction or area of application must be completely finished before jobsite testing can begin. This includes: windows, doors, roofing, walls, etc.
2. Interior environmental conditions must be maintained at 15°C - 30°C (65°-85°F) and 35% - 85% RH a minimum of 48 hours before testing and at all times during testing
3. Plan, prepare, and protect the substrate moisture test-sites for the duration of the testing in order to achieve valid results.
4. Subfloor flatness for all substrates shall not exceed 4 mm in 3 meters (3/16" in 10 ft.).

## MATERIAL RECEIVING, HANDLING AND STORAGE

1. Upon receipt, immediately remove any shrink-wrap and check material for damage, and that the material is of the correct style (article number), color, quantity, and run number(s).
2. Immediately report any discrepancies.
3. General Storage: Store all materials flat and off of the floor in an acclimatized, weather-tight space between 15°C - 30°C (65°-85°F ). Do not double-stack pallets.
4. Jobsite: Acclimate Elemental™ material and adhesives in the acclimatized jobsite between 15°C - 29°C (65°-85°F) and 35% - 85% RH for 48 hours prior, all times during, and maintain temperature continuously after installation. Divide unopened cartons no more than 6 cartons high and at least 10 cm apart. Keep away from heating and cooling ducts and direct sunlight. If permanent HVAC (Air-conditioning) is not yet operational, temporary means should be used to maintain the noted temperature and Relative Humidity.

## SUBFLOOR PREPARATION

Elemental™ can be installed on wood, concrete, terrazzo, stone, and many other properly prepared subfloors, including on subfloor heating. One key factor to ensuring an excellent, finished appearance of an Elemental™ floor is careful subfloor preparation. The information provided in this document includes general recommendations on how to prepare various types of subfloors. The selection of all materials, including: moisture-mitigation systems, self-leveling compounds, floor patch products, wood underlayments, and any other ancillary products are dependent upon existing conditions. The application of subfloor preparation materials must be in strict accordance with the manufacturer's instructions. All warranties and guarantees pertaining to the suitability and performance of any preparation or ancillary product rests with that material manufacturer or the Flooring Contractor and NOT with Elemental™. The condition of the subfloor and bond issues resulting from the use of non-recommended, improper, or incorrectly prepared adhesives, sealers, embossing levelers, patches, concrete, gypsum-based products and other such items, are the sole responsibility of the Flooring Contractor, General Contractor, and/or manufacturer of the particular sub- flooring product.

Elemental™ Flooring recommends using only subfloor preparation materials (such as adhesives, primers, leveling compound, etc.) from leading manufacturers that offer complete subfloor preparation systems that have been tested and that are compatible with Elemental™ LVT dryback flooring. Please consult our website ([www.elementalbyaspecta.com](http://www.elementalbyaspecta.com)) for an overview of recommended products and manufacturers.

## CONCRETE SUBFLOORS

All concrete subfloors, regardless of age or grade level must be properly cured, free of excess moisture, and prepared in accordance to the most current version of BS 8203 in the UK and VOB, Part C, DIN 18365 in Germany or according all other relevant European national standards. The surface of concrete floors shall be dry, clean, smooth, and structurally sound. They shall 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 laitance, mold, mildew, and other foreign materials that might affect the rate of moisture dissipation from the concrete.

Make sure that the concrete subfloor does not suffer from rising damp or hydrostatic pressure. Prior to installation, the moisture content of the subfloor must be established and if necessary corrected to ensure that it conforms to the parameters set in the relevant national and/or local standards. Absorbent subfloors and smooth and even surfaces are essential if Elemental™ Dryback LVT flooring is to be installed correctly. It is generally recommended to use 2.0 - 3.0mm levelling compound prior to installing dryback flooring. Follow the applicable European, national and local standards (Germany: DIN 18365 and EN 1264-2) when installing dryback flooring in rooms with underfloor heating. The operating temperature on the surface of the flooring should not exceed 27°C. Acclimate flooring, adhesives, and the job-site: only install Elemental™ in climate-controlled rooms/areas, consistently maintained at temperatures between 15°C - 30°C (65°-85°F) and 35%-85% RH a minimum of 48 hours before, all times during, and continuously after installation.

When installing, acclimate flooring, adhesives, and the job-site: only install Elemental™ in climate-controlled structures consistently maintained at temperatures between 15°C - 30°C (65°-85°F) and 35%-85% RH a minimum of 48 hours before, all times during, and continuously after installation.

Note: In the event of adhesion failure, the responsibility for warranties and performance guarantees rests with the compound manufacturer and not with Elemental™.

## WOOD SUBFLOORS

Elemental™ LVT is recommended for use on suspended wood subfloors. Wood subfloors should have standard, double-layer construction with a minimum total thickness of at least 1" (25mm). As a finish layer, use minimum 6 mm (¼") thick, rated "underlayment grade" plywood with a fully sanded surface, or other underlayment panel that is appropriate and warranted for the intended use. Always follow manufacturer's installation instructions! Wood underlayment panels for resilient flooring must be:

- Structurally sound
- Specifically designed and warranted for resilient flooring
- A minimum of 6 mm (¼") thick
- Of a smooth surface, so as to prevent telegraphing
- Able to resist indentations
- Free of any substances that may cause flooring to stain

## OTHER SUBFLOORS (Ceramic tile, etc.)

It is always best practice and recommended to remove existing flooring and start new with the original base. Recognizing that there are certain situations in which this is not possible, existing flooring materials such as terrazzo, marble, ceramic tile, or quarry tiles may be suitable substrate for Elemental™ if properly prepared.

**Note:** Special attention in the preparation of these substrates must be taken. Always consult with substrate preparation material supplier for appropriate material selections, application requirements and warranty information! The responsibility of the assessment, determination, and selection of the substrate preparation material, along with application and product performance, rests with the applicator and preparation material provider.

## UNAPPROVED SUBSTRATES

Remove the floors listed below and refer to the appropriate “General Conditions” subsection under the “Concrete Subfloors” and “Wood Subfloors” sections. For glued-down floors, remove old adhesive before installing Elemental™. Encapsulate adhesive and cutback residue. Any appearance- or performance-related issues associated with the underlayment are the responsibility of the flooring contractor and/or underlayment manufacturer. Unapproved substrates are;

- Asphalt Tile, Carpets, Cementitious Tile Backer Boards, Chipboard, Cushion-Back Sheet Vinyl, all Floating Floors, Glass Mesh Tile Boards, Hardboard, Hardwood, Hardwood - Engineered Hardwood Over Concrete

## SUBFLOOR HEATING (Special considerations)

**Radiant Heat:** Elemental™ dryback flooring can be installed over subfloor heating systems. Radiant heating systems must be cast ideally between 65 and 75 mm below the surface of the concrete slab and should be operating at least 2 weeks before installing Elemental™ flooring. Set the temperature of the radiant heating system to 20°C (68°F) 48 hours before, at all times during, and 72 hours after installation. The temperature of the radiant heat floor may be gradually increased 72 hours after installation, but the surface temperature should never exceed 30°C (85°F).

**Note:** For approval, recommendation and best performance contact your subfloor heating and/or subfloor preparation materials manufacturer.

# INSTALLATION

## GENERAL INFORMATION

Before starting the installation, verify that the material is of the correct style, color, quantity, and run numbers, and ensure that the correct adhesive has been selected for area of usage. Also, confirm that all pre-installation requirements, as detailed in the remainder of this section, have been satisfactorily completed. Start of flooring installation indicates acceptance of current subfloor conditions and full responsibility for completed work.

## CHECK RUN NUMBERS AND MANUFACTURER DATE

Locate the run number on the short end of each carton and verify that all of the material for your job is from the same run. Minor shade variations within the same run number contribute to the natural look of Elemental™. To avoid noticeable shade variations, do not install material from different runs across large expanses. To determine manufacture date, locate the run number on the short end of the carton. It is the eight-digit number separated by decimal points.

Examples:

### BATCH NUMBERS / MANUFACTURE DATE

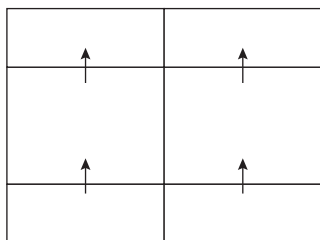
01.07.2020

DAY.MONTH.YEAR

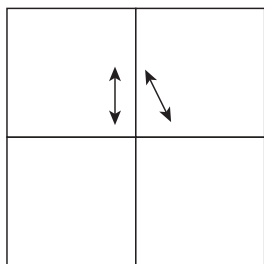
- **Protect areas where there is direct sunlight coming in to the room. Cover windows and doors to reduce heat to the subfloor while installation is taking place until the adhesive is fully cured. (Approximately 24 hours).**
- Acclimate tiles (keep cartons flat), adhesive, jobsite, and subfloor to a stable condition between 15°C-30°C (65°-85°F) and 35%- 85% RH for a minimum of 48 hours before and after installation.
- Confirm quantity of Elemental™ flooring and adhesive are sufficient for area to be installed. Check material for visual defects before installation. Installation of flooring acknowledges acceptance of materials.
- Make sure all surfaces to be covered are completely clean, dry, and smooth, and that all necessary subfloor preparation has been properly completed and documented.
- Perform final acceptance inspection of substrate.
- Protect adjacent work areas and finished surfaces from damage that could occur during product installation.
- Elemental™ should be the last material installed, so as to prevent other trades from disrupting the installation and adhesive set-up, and to prevent damage to the floor.
- Elemental™ comes in plank, rectangular, and square tile formats. Install tiles running in the same direction (block or staggered pattern), quarter-turned or as specified by architect. Elemental™ plank flooring should have end-joints set by at least 15 cm (6") and should be installed in a staggered manner, so as to create a random appearance that avoids alignment of end-joints. Elemental™ can be laid out to run either parallel or diagonal to the room or primary wall. The following conditions must be given consideration when determining how Elemental™ will be installed: Layout: Layout shall be specified by the architect, designer or end user (refer to architectural drawings).
- Establish center lines and determine starting point to balance the installation by having equal tile widths on opposite sides of room. This can be facilitated by measuring or dry-laying tiles and marking baselines.
- Wet-Set Applications: The room layout must be arranged so that all flooring can be installed while working off of freshly installed tiles. This will keep tiles from shifting, minimize adhesive displacement, and prevent wet adhesive from oozing up and getting onto the surface of the tiles. This can be accomplished by snapping chalk lines to create work zones that are no wider than a comfortable arm's reach, and in multiples of the tile or plank width. Periodically pull back a tile or plank during installation and check for adhesive transfer to backing.
- When all preparatory work is satisfactorily completed, including dry fitting cut tiles (if applicable), proceed with installation. Inspect each tile for visual defects before installing. Installation of flooring implies acceptance of materials.
- **Protecting Newly Installed Floors:** Newly installed flooring must be protected while the adhesive sets, and also protected from damage of other trades. Early foot traffic, as well as point or rolling loads, can cause shifting of tiles, adhesive displacement, or breaking of the bond between the adhesive and the tile or substrate.
- Always start with a clean jobsite. All trades must finish before installing Elemental™. Carefully inspect each plank or tile for defects prior to installation, and do not install damaged material. Be sure to check run numbers/manufacture dates prior to installing.
- **IMPORTANT:** All Elemental™ Dryback flooring must be rolled with a minimum 50 Kg. roller after installation. Use a hand roller in areas that cannot be reached with a 50 Kg. roller.
- **Special Notes:**
  - All sundrop areas will require the correct adhesive.**
  - If a Substrate Flooring Membrane is required Uzin PE460 2-Component Epoxy Blocking Primer is recommended.**
  - Adhere Aspecta Elemental LVT to the substrate using Uzin KE68T 1-Component Hybrid Adhesive.**
  - All perimeter edges and penetrations are to be sealed with a MS Silicone.**

## Elemental™ RESILIENT TILE INSTALLATION

Some Elemental™ products have directional arrows on the back. Elemental™ tiles should be installed with the arrows pointing in the same direction in order to prevent shade, color, or gloss variation. Elemental™ planks may be installed randomly (without concern for arrow direction). This will bring out more variety in the appearance of the installed floor. (Picture 1)



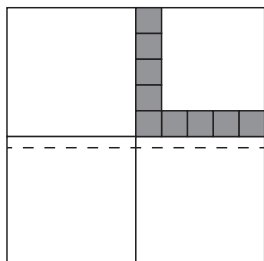
PICTURE 1



PICTURE 2

### STEP 1: SQUARE THE ROOM

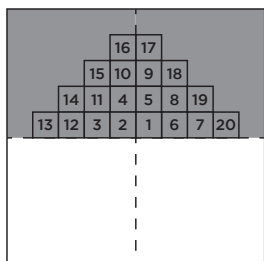
Square the layout of the room, find the center of one end of the room. Locate the same point at the other end-wall. Snap a chalk line between these points to mark the center line on the floor. Then, measure along this center line to find the middle of the room. At the center point, mark off a line across the room at precise right angles to the first line. (Picture 2)



PICTURE 3

### STEP 2: BALANCE THE ROOM

Either measure or dry-lay a row of tiles from the center line to the side wall to determine the size of the first and last tiles. If the resulting border is too small in either direction, move the row of tiles over one-half tiles' width and snap a new line. This becomes your new starting line. (See Figure 2) TIP: Use the dimensions of the room to calculate the size of the first tile without dry-laying. (Picture 3)



PICTURE 4

### STEP 3: INSTALL THE TILES

After determining the layout and snapping center line, spread adhesive and install flooring as outlined below using the dry to touch or wet-set application method. (Picture 4)

## Elemental™ RESILIENT PLANK INSTALLATION

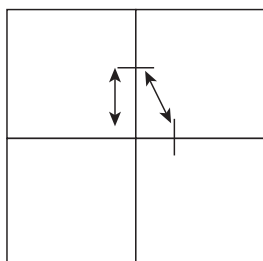


FIGURE A

### STEP 1: SQUARE THE ROOM

Square the layout of the room, find the center of one end of the room. Locate the same point at the other end-wall. Snap a chalk line between these points to mark the center line on the floor. Then, measure along this center line to find the middle of the room. At the center point, mark off a line across the room at precise right angles to the first line. (See Figure A)

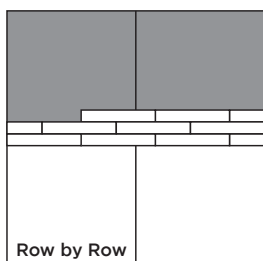


FIGURE B

### STEP 2: BALANCE THE ROOM

Either measure or dry-lay a row of tiles from the center line to the side wall to determine the size of the first and last tiles. If the resulting border is too small in either direction, move the row of tiles over one-half tiles' width and snap a new line. This becomes your new starting line. (See Figure 2) TIP: Use the dimensions of the room to calculate the size of the first tile without dry-laying. (See Figure B)

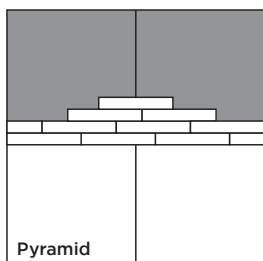


FIGURE C

### STEP 3: INSTALL THE TILES

After determining the layout and snapping center line, spread adhesive and install flooring as outlined below using the dry to touch or wet-set application method. (See Figure C)

**GENERAL NOTE:** Only use recommended adhesives that are approved and warranted for use with Elemental™ Dryback flooring. Bond issues resulting from the use of non-recommended adhesives are not warranted. All warranties and guarantees pertaining to the suitability and performance of any product not recommended by Elemental™ rests with the material manufacturer or the installation contractor and NOT with Elemental™. The condition of the subfloor and bond issues resulting from the use of non-recommended, improper, or incorrectly prepared adhesives, sealers, embossing levelers, patches, concrete, gypsum-based products and other such items, are the sole responsibility of the installer and/or manufacturer of the particular sub-flooring product.

## CARE & MAINTENANCE

### Elemental™ DRYBACK – GENERAL CARE & MAINTENANCE

Elemental™ dryback flooring is manufactured with a high- performance coating, which provides improved maintenance characteristics and options for end-users. All floor coverings require some care to look their best, and many problems can be prevented before they occur. The area of usage, type of traffic, and frequency of traffic on the floor will determine the type and frequency of maintenance needed. Proper care and maintenance are an essential part of keeping your Elemental™ flooring attractive and safe. These guidelines will help to maintain the appearance of and extend the life of your Elemental™ flooring.

#### FLOOR-CARE BEST PRACTICES

- Sweep or vacuum daily; use only vacuums without beater (“Plastic”) bars.
- Protect the floor from tracked-in dirt and grit particles by using walk-off mats at all outside entrances.
- Avoid the use of rubber-backed mats, as certain rubber compounds can permanently stain vinyl.
- In order to prevent indentations and scratches, provide glass or felt, or other non-staining cups with flat under- surfaces not less than 5 cm (2”) wide for the legs of heavy furniture or appliances. Equip swiv- eled-type office chairs and other rolling furniture with broad-surface, non-staining casters at least 5 cm (2”) in diameter. Remove small diameter buttons from the legs of straight chairs and replace with metal or felt glides that have bearing surfaces no less than 2 cm (1”) in diameter.
- Always use the proper equipment, to protect the flooring from damage that could be caused by the mov- ing of heavy fixtures or appliances.
- Never use anything coarser than 3M-equivalent red cleaning pads or brushes on Elemental™ resilient flooring (see Maintenance Procedures section).
- Protect your floor against burns. Burns from the glowing end of cigarettes, matches, or other extremely hot items can damage Elemental™ floors.
- Do not flood floor or subject to frequent standing water.
- Only use recommended cleaning and maintenance products (like Dr. Schutz), as they are designed for Luxury Vinyl Tile (LVT) floors with urethane coatings.
- All Elemental™ floors have good resistance to stains and are not affected by most common spills. How- ever, any spill should be cleaned up immediately. The longer the spilled materials are left on the floor, the greater the risk of permanently staining the floor.
- Avoid exposure to direct sunlight for prolonged periods. The use of drapes or blinds is recommended during peak sunlight hours. Prolonged exposure to direct sunlight can result in discoloration, and exces- sive temperatures might cause tiles or planks to expand.

#### MAINTENANCE PROCEDURES

Safety: When performing wet maintenance, always use proper signage and prohibit traffic until the floor is completely dry. Always use caution and follow manufacturer’s safety instructions.

## NO-POLISHING/NO-BUFFING MAINTENANCE OPTIONS

### A) Initial Maintenance for a Newly Installed floor

1. Allow the adhesive to cure for at least 48 hours prior to wet- cleaning the floor.
2. Thoroughly sweep, dust-mop, or vacuum (without beater -plastic- bar assembly) the floor to remove all loose dirt, dust, grit, and debris.
3. Remove any dried adhesive-residue from the surface with a Neutral Cleaner, or with mineral spirits applied to a clean, lint-free cloth. Do not allow excessive amounts of solvent to sit on the vinyl or to penetrate the joints of the flooring. NEVER APPLY SOLVENT DIRECTLY TO FLOORING.
4. Damp-mop the floor using a Neutral Cleaner.
5. 5. If necessary, scrub the floor using an auto scrubber or rotary machine (175 rpm or less) using a Neutral Cleaner, using the proper dilution ratio and the appropriate scrubbing brush or pad. Fit the buffer with a 3M-equivalent red or white scrubbing pad and work the solution over the floor.
6. 6. Thoroughly rinse the entire floor with fresh, clean water. Remove the dirty residue with a wet-vacuum or with a clean mop and allow the floor to dry completely.

## DAILY/ROUTINE MAINTENANCE

1. Clean entryway walk-o mats to remove dirt, grit, sand and other contaminants from being tracked onto the floor (as needed).
2. Thoroughly sweep, dust-mop, or vacuum (without beater – plastic - bar assembly) the floor to remove all loose dirt, dust, grit, and debris that can stick to and damage the surface of the floor.
3. Spills should be cleaned up immediately. Spot-clean using a Neutral Cleaner and micro fiber or preferred mop.
4. Damp-mop the floor on a regular (recommended - daily) basis using a Neutral Cleaner.

## PERIODIC MAINTENANCE

1. When necessary, scrub the floor using an auto scrubber or rotary machine (175 rpm or less) with a Neutral Cleaner, using the proper dilution ratio. Fit the buffer with a 3M-equivalent red or white scrubbing pad and work the solution over the floor.
2. 2. Thoroughly rinse the entire floor with fresh, clean water. Remove the dirty residue with a wet-vacuum or with a clean mop and allow the floor to dry completely.

**AUTOMATIC SCRUBBERS:** Automatic scrubbers come in walk-behind and ride-on styles with some being compact for hard-to-reach areas around equipment or fixed seating. Auto Scrubbers are efficient, safe and cost effective delivering substantial time savings compared to the mop and bucket method of floor maintenance.

---

**GENERAL MAINTENANCE**

ELEMENTAL Dryback flooring is manufactured with a high performance UV cured and ceramic bead enhanced urethane coating which offers improved maintenance characteristics for the end-user in commercial environments. All floorcoverings require a certain amount of care to look their best and many problems can be prevented before they occur. The area of usage, type and frequency of traffic on the floor will determine the type and frequency of maintenance needed. Proper cleaning, care and maintenance are an essential part of keeping your ELEMENTAL Dryback floor looking attractive. These guidelines will help to maintain the appearance and extend the life of your ELEMENTAL Dryback floor.

**FLOOR-CARE BEST PRACTICES**

- Sweep daily or vacuum using only vacuums without beater bars.
- Protect the floor from tracked-in dirt and grit particles by using walk-off mats at all entrance areas.
- In order to prevent indentations and scratches, provide the legs of heavy furniture and appliances made of glass, plastic or other material with flat, non-staining protection at least 5cm in diameter. Equip swivel office chairs with large diameter castors (twin-wheel castors, type W, soft). Remove small diameter buttons from the legs of other moveable furniture and replace with felt or soft plastic glides that have bearing surfaces of no less than 2.5cm in diameter.
- When moving heavy furniture or appliances over the flooring always use the proper equipment to protect it from damage.
- Never use anything coarser than 3M equivalent red cleaning pads or brushes on ELEMENTAL Dryback flooring (see Maintenance Procedures).
- Protect your floor against burn marks. Burns from the glowing end of a cigarette, matches, or other extremely hot items can damage ELEMENTAL Dryback flooring.
- Do not flood flooring or subject to frequent standing water.
- Use latex backed door mats. Avoid the use of rubber-backed door mats as certain rubber compounds can permanently stain vinyl.
- Only use cleaning products which are designed for ELEMENTAL Dryback flooring with urethane coating.
- All ELEMENTAL Dryback floors have good resistance to stains and are not affected by the most common spills, however any spills should be cleaned up immediately. The longer the spilled materials are left on the floor, the greater the risk of permanently staining the floor. For information regarding the proper method or products to use on a specific stain, contact ELEMENTAL Customer Service on +31 (0) 881 662500.
- Avoid exposure to direct sunlight for prolonged periods. During peak sunlight hours, the use of curtains or blinds is recommended. Prolonged direct sunlight can result in discolouration, and excessive temperatures might cause tiles or planks to expand.

---

**MAINTENANCE PROCEDURES**

1. **Safety:** When performing wet maintenance, always use proper signage and prevent traffic until the floor is completely dry. Always use caution and follow the safety instructions of the electrical equipment manufacturer.
2. **Initial Maintenance for a Newly Installed floor**
  - 2.1 Allow the adhesive to cure for at least 48 hours prior to wet cleaning the floor.
  - 2.2 Sweep, dust mop or vacuum the floor thoroughly to remove all loose dirt, dust, grit and debris.
  - 2.3 Remove any dried adhesive residue from the surface with adhesive remover or mineral spirits applied to a clean, lint-free cloth. Do not allow excessive amounts of solvents to sit on the vinyl or penetrate the joints of the flooring.

**Note: NEVER APPLY SOLVENT DIRECTLY TO FLOORING.**

- 2.4 After 48 hours damp mop the floor using a neutral cleaner.
- 2.5 If necessary, scrub the floor using an auto scrubber or rotary machine (300 rpm or less) with a neutral cleaner using the proper dilution ratio and the appropriate scrubbing brush or pad. Fit the buffer with a 3M equivalent red or white scrubbing pad and work the solution over the floor.
- 2.6 Thoroughly rinse the entire floor with clean water. Remove the dirty residue with a wet-vacuum or clean mop and allow the floor to dry completely.

**1. STAIN REMOVAL**

To remove stubborn spots or stains from ELEMENTAL Dryback floors, always begin with mild cleaners such as a neutral cleaner. If this fails to remove the stain, use mineral spirits. Do not use harsh solvents such as lacquer thinner or straight acetone, as these can permanently soften and damage the vinyl surface. For extreme staining such as paints, permanent markers, dyes, try applying fingernail polish remover containing acetone (do not use straight acetone) applied to a soft cloth and rubbing. Subsequent to this cleaning procedure for stubborn spots, please clean the affected area with clear water to remove any residue. Any damage resulting from the use of pure solvents IS NOT covered by warranty. Always test stronger cleaning agents on sample pieces or in unnoticeable areas first.

**2. DAILY/ROUTINE MAINTENANCE**

- Clean entryway walk-off mats to remove dirt, grit, sand and other contaminants from being tracked onto the floor as needed.
- Sweep, dust mop or vacuum (without beater bar assembly) the floor thoroughly to remove all loose dirt, dust, grit and debris that can stick to and damage the surface of the floor.
- Spills should be cleaned up immediately. Spot clean using a neutral cleaner and microfiber or preferred mop.
- Damp mop the floor on a regular or daily basis using a neutral cleaner.

**3. PERIODIC MAINTENANCE**

- When necessary, scrub the floor using an auto scrubber or rotary machine (300 rpm or less) with a neutral cleaner, using the proper dilution ratio. Fit the buffer with a 3M equivalent red or white scrubbing pad and work the solution over the floor.
- Thoroughly rinse the entire floor with clean water. Remove the dirty residue with a wet-vacuum or clean mop and allow the floor to dry completely.

---

#### 4. SPRAY BUFF

1. After completing steps 2.1 and 2.2 under the initial maintenance for a newly installed floor, machine scrub the floor with a neutral cleaner, using the proper dilution ratio. Fit the buffer with a 3M equivalent red or white scrubbing pad and work the solution over the floor to remove contamination and promote adhesion.
2. Thoroughly rinse the entire floor with clean water. Remove the dirty residue with a wet-vacuum or clean mop and allow the floor to dry completely.
3. Using a hand held spray bottle with floor finish or spray buff product, working in small areas (3 metres x 3 metres), lightly mist the floor and buff using an auto scrubber or rotary machine (300 rpm or less) fitted with a 3M equivalent red pad. Follow manufacturer's instructions.
4. Daily routine and periodic maintenance should be performed as stated in above sections.
5. Machine scrubbing should always be conducted prior to spraying the polishing agent.
6. **Restorative Maintenance**

If ongoing cleaning is no longer providing a satisfactory result a thorough cleaning, removal of polish and reapplication may be necessary.

1. Apply the stripper solution to the entire floor, following the manufacturer's instructions.
2. Use a low speed machine (300 rpm or less), scrub the treated floor with a scrubbing brush or pad equivalent to a 3M red pad.
3. Use a wet-vacuum or clean mop to remove the dirty stripper solution. If the floor begins to dry it may be necessary to spray clean water onto the stripper solution to remove it.
4. Thoroughly rinse the entire floor with clean water. Remove the dirty residue with a wet-vacuum or clean mop and allow the floor to dry completely.
5. Next, start over by following the Finish Option.

**Notes: Never use a brush or pad more aggressive than a 3M red equivalent. Blue, green, brown and black pads will damage the surface of the floor.**

**For further information, please send an email to [customerservice@elementalbyaspecta.com](mailto:customerservice@elementalbyaspecta.com) or phone Customer Service on +31 (0) 881 662500, Monday to Friday.**

## PRODUCTS & COVERAGE

Aspecta BV warrants that its Elemental/Elemental Basics Dryback flooring will be free from manufacturing defects and, under normal use and maintenance, will not wear out through the original decorative pattern for 20 years from the date of purchase. This Limited Warranty only applies provided the flooring covered by this warranty is installed and maintained according to the **Elemental by Aspecta™ Dryback Professional Installation Guide** and the **Elemental by Aspecta™ Dryback Care and Maintenance Guide**.

## PRE-INSTALLATION

Aspecta BV warrants that its flooring is free of visual defects. You and/or your installer should carefully inspect each piece before installation. Any pieces that appear to have defects should not be installed. Aspecta BV will not be responsible for any claim for flooring installed with visual defects.

## INSTALLATION

Aspecta BV does not warrant flooring installers' workmanship. Installation errors should be addressed to the flooring contractor who installed the Elemental/Elemental Basics Dryback flooring. Elemental/Elemental Basics Dryback floors should be installed by professional flooring contractors with experience and demonstrated expertise in installing floors of similar size and complexity. This Limited Warranty covers materials and fair market rate installation costs as set forth below, provided that such flooring is installed according to the **Elemental by Aspecta™ Dryback Professional Installation Guide** and only if the flooring is installed using the Aspecta BV recommended adhesives. The use of any other adhesive during installation will void the warranty if problems/issues arise as a result of the use of an adhesive other than a recommended adhesive. Please refer to the current Guide for the type(s) of adhesive(s) that should be used for installation. All instructions contained in the current Technical and Installation Guide must be followed when installing Elemental/Elemental Basics Dryback, or this warranty will be voided. This Guide is revised periodically and floors must be installed according to the current Guide at the time of installation. Please check our website for the current Guide.

## REPLACEMENT/REPAIRS

Aspecta BV reserves the right to repair any flooring and/or to use its own source to obtain an installer for replacement flooring. If Aspecta BV repairs or replaces any flooring as a result of a warranty claim, you will be required to clear, at your own expense, any items placed over the affected areas subsequent to the original installation. In the event that Aspecta BV repairs or replaces any flooring covered under this Limited Warranty, this Limited Warranty shall remain in effect with respect to such flooring for a period limited to the remaining eligible duration of the original Limited Warranty.

## TERMS FOR WARRANTY

If a defect covered by this Limited Warranty is found within the warranty period and promptly reported in writing to Aspecta BV within a specified time from the date of purchase in accordance with the chart below, Aspecta BV will supply new flooring material of similar colour, pattern and quality to replace the defective area. Aspecta BV will also pay a percentage of fair market labour costs in accordance with the chart below. Aspecta BV will not pay any labour costs after ten years from the date of purchase.

PERIOD (YEARS)	1	2	3	4	5	6	7	8	9	10	11-20
MATERIAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
LABOUR	100%	90%	80%	70%	60%	50%	40%	30%	20%	10%	0%

In case of questions regarding the terms of this Limited Warranty, please contact our Aspecta™ Customer Service Department at **+31(0) 88 1662500**. Aspecta BV reserves the right to inspect any flooring, request samples, secure photographs or any other information as may be required to ascertain the nature of any claim under this Limited Warranty.

## EXCLUSIONS

The following are not covered by this Limited Warranty:

- Dissatisfaction or damage due to improper installation or maintenance, including use of improper adhesives, cleaning solutions or finishes, subfloor moisture, alkalinity, hydrostatic pressure, unevenness or irregularities. Refer to the **Elemental by Aspecta™ Dryback Professional Technical and Installation Guide** for proper installation methods and approved adhesives, and to the **Elemental by Aspecta™ Dryback Care and Maintenance Guide** for proper maintenance procedures, cleaning solutions and finishes.
- Damage caused by fire, burns, abuse, flooding, moisture, mildew/mould, spills, scratches, abrasive scouring pads, scuffing, staining, construction or installation.
- Damage caused by vacuum cleaner beater bar, indentations or damage caused by spiked heeled shoes, improper rolling loads, caster wheels, chairs or other furniture without proper floor protectors and cuts from sharp objects.
- Changes in colour or sheen from exposure to sunlight or due to use of rubber-backed mats.
- Exterior applications.
- Loss of gloss.
- Minor shading, colour or texture differences between samples or printed colour photographs or illustrations and delivered product.
- This Limited Warranty is void if, prior to installation, this flooring is not acclimated to room temperature (between 65°F - 85°F/18°C - 29°C) at the job site for a minimum of 48 hours and, if post-installation, such flooring is not continuously maintained at such temperature.
- Loss due to loss of time, inconvenience, incidental expenses (such as telephone calls, labour and/or materials) incurred in the removal or reinstallation of the affected material, and any other incidental or consequential damages.

Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages so that the above limitations and exclusions may not apply. Your warranty gives you specific legal rights, and you may have other legal rights, which vary from country to country and which are not affected by this warranty.

This warranty is in lieu of any other warranties, expressed or implied. Please keep your receipt or obtain it from the original purchaser. Aspecta BV requires the receipt in order to verify date of purchase to help resolve any problems.

## WARRANTY OWNER

This warranty applies only to the original purchaser of first quality flooring and the original installation site, but may be transferable one-time only upon a change in ownership of the installation site. Any request for transferability of this warranty must be made in writing to Aspecta BV by the new owner of the installation site. Aspecta BV reserves the right to inspect the installation site upon request for a one-time transfer of this warranty. Transferability of this warranty will be voided if any modification has been made to the flooring by the original owner of the installation site or will be made by the new owner or if the new owner intends to use the space of the installation site for a different purpose. In addition, one-time transferability is available only if the new owner agrees in writing to follow the **Elemental by Aspecta™ Dryback Care and Maintenance Guide**. Aspecta BV will NOT pay any labour costs with respect to a claim under a warranty that has been transferred.

Claims under this Limited Warranty must be made in writing to the following address:

**ASPECTA™ BV**

Argon 37a | 4751XC Oud Gastel | The Netherlands

Tel: +31 (0) 88 1662500 | [info@aspecta flooring.com](mailto:info@aspecta flooring.com)

## 1-Component Hybrid Adhesive

# UZIN KE 68 T

1-Comp. hybrid adhesive for floor and wall applications

### MAIN APPLICATION FIELD:

- ▶ rubber floor coverings in tiles up to 4 mm (e.g. norament®)
- ▶ luxury vinyl tiles or design floors
- ▶ PVC and CV floor coverings in sheets and tiles
- ▶ linoleum in tiles up to 4 mm
- ▶ PVC wall cladding (e.g. Altro Whiterock, Gerflor Decochoc)

### SUITABLE ON / FOR:

- ▶ absorbent and non absorbent substrates
- ▶ deformable or elastic substrates (e.g. underlays, wood, please obtain technical advice for metal)

**Note:** Also suitable for processing on the floor. Obtain technical advice for additional combinations of floor covering and substrates.



### PRODUCT BENEFITS/FEATURES:

UZIN KE 68 T is a ready to use and user-friendly 1-comp. hybrid adhesive with very low emissions. The compact adjustment of the adhesive is ideal for floor and wall applications. The adhesive is very resistant against heavy loads, high temperatures (up to 50 degree celsius) or humidity. For interior use.

- ▶ ideal consistency for working on vertical surfaces
- ▶ for installers with PUR or epoxy sensitization
- ▶ for areas with high temperatures
- ▶ suitable for wet area LVT installations, surface water must be removed within 24 h



### TECHNICAL DATA:

Packaging	plastic bucket
Pack size	11 kg
Shelf life	min. 12 months
Colour, wet	beige
Colour, dry	beige
Consumption	250 - 2700 g/m <sup>2</sup>
Working time	up to 40 minutes*
Minimum application temperature	15 °C at ground level
Loadable	after 24 hours*
Joint sealing	after 24 hours*
Final strength	after 3 - 5 days*

\*At 20 °C and 65% relative humidity.



## SUBSTRATE PREPARATION:

The substrate must be sound, load-bearing, dry, free from cracks and materials (dirt, oil, grease) that would impair adhesion. The surface must be free of dust and as even as possible. Test the substrate in accordance with applicable standard or notices and report any deficiencies.

The datasheets for other used products have to be observed.

## APPLICATION:

1. Before use, allow the adhesive to come to room temperature. Pull off the foil cover after opening and remove any surface skin if necessary. Do not mix the skin in.
2. Apply an even coat of adhesive onto the wall using a suitable notched trowel. Do not apply more adhesive than can be laid with good transfer onto the back of the covering within the working time. Press down the covering well.
3. Remove residues while fresh with wipes from the UZIN Clean-Box. Hardened adhesive can only be removed mechanically.

## CONSUMPTION INFORMATION:

For the adhesion of Altro WhiteRock, Altro Debolon recommends a C2 trowel notch.

## CONSUMPTION INFORMATION:

Coating/Backing	Toothings	Consumption approx.*
Smooth or slightly structured, e.g. PVC or LVT	A5	250 - 300 g/m <sup>2</sup>
Structured, e.g. rubber	A2	350 - 400 g/m <sup>2</sup>
Wood or engineered timber wall cladding	B3	900 - 1000 g/m <sup>2</sup>
Rigid PVC wall cladding	C2	2500 - 2700 g/m <sup>2</sup>

Observe the technical guidelines of the wall covering manufacturer.

## IMPORTANT NOTES:

- ▶ A shelf life of 12 months when stored in moderately cool conditions, in the original packaging. Frost-resistant down to - 25 °C. Carefully and tightly reseal opened containers with the foil and use the contents quickly. Allow containers to come to room temperature before use.
- ▶ Best applied between 18 - 25 °C, with the floor temperature above 15 °C and relative air humidity below 65%. Low temperatures and low air humidity lengthen the working and drying time. Whilst high temperatures and high air humidity shorten the working and drying time.

- ▶ Humid substrates may cause secondary emissions and odours. Therefore, ensure the compound is dry before applying the adhesive.
- ▶ Installations onto substrates with old adhesive residues may cause interactions and lead to unpleasant odours. Ideally these should be removed completely. In all situations adhesive residues must be remedied via the use of primers and coatings of compound at least 3 mm thick.
- ▶ Before installing, the floor covering must be adequately acclimatised to the indoor climate and free from tension.
- ▶ Strong deformation of the roll ends, hanging bays, extremely raised edges or strong curvatures must be weighed down during the adhesion.
- ▶ Please check the adhesive recommendations (online) or obtain application advice when installing chlorine-free floor coverings.
- ▶ Follow the generally acknowledged rules of the trade and technology for the installation of floor covering in respective of the applicable national standards (e.g. EN, DIN, OE, SIA, etc.)
- ▶ For longer term/sustained potential surface water please use UZIN KR 430

## SEALS OF QUALITY & ECOLABELS:

- ▶ Solvent-free, containing methoxysilane
- ▶ EMICODE EC 1 PLUS / Very low emission
- ▶ DE-UZ 113 / Environmentally friendly because of low emissions

## COMPOSITION:

Silane-terminated prepolymers, mineral fillers, additives.

## PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Solvent-free adhesive containing methoxysilane. Non flammable. Avoid contact with eyes and skin. When curing, produces traces of methanol. Ensure good ventilation during application. Wear protective gloves and safety-goggles. After contact with skin wash with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Observe safety information on product label as well as safety data sheet. Once cured, has a neutral odour and presents no physiological or ecological risk

## DISPOSAL:

Where possible, collect product residues and re-use. Do not allow dispersal into drains, sewers or ground. Empty, scraped and drip-free containers are recyclable. Containers with liquid residue, as well as the liquid product, are classed as Special Waste. Dried product residues are classed as Construction Waste. Therefore collect waste material and allow to harden, then dispose as Construction Waste.

## 2-Component Epoxy Blocking Primer

# UZIN PE 460

Epoxy primer for damp or weak substrates

### MAIN APPLICATION FIELD:

- ▶ barrier primer on unheated cementitious screeds up to 5 CM-% or on concrete up to 98% RH
- ▶ barrier primer on heated constructions up to 3 CM-%
- ▶ hardener for weak, porous or cracked substrates
- ▶ bonding primer prior to installation with UZIN levelling compounds

### SUITABLE ON / FOR:

- ▶ dense or absorbent existing substrates
- ▶ cement or gypsum screeds, magnesia or xylolite screeds, concrete, P4 - P7 and OSB 2 - OSB 4 boards or precast screeds
- ▶ ceramic or natural stone floors, terrazzo, metal (contact UZIN Technical Service for advise), matt-sanded coatings and sealants
- ▶ gritbinded or in connection with UZIN PE 280 prior to installation with UZIN cement or calcium sulphate levelling compounds
- ▶ exposure to castor wheels in accordance with DIN EN 12 529
- ▶ suitable for residential, commercial and industrial areas



### PRODUCT BENEFITS/FEATURES:

UZIN PE 460 is an epoxy primer with low odour, mainly used as moisture barrier up to 5 CM-% or 98% R.H. on cements screeds or concrete. When using UZIN PE 460 as a mortar or levelling compound in combination with UZIN sands, it dries quickly and is highly resilient. For interior and exterior use.

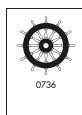
- ▶ reduced odour during application
- ▶ high barrier effect against moisture
- ▶ very good surface penetration
- ▶ resistant against water, frost and chemicals
- ▶ system component in PAH renovation



### TECHNICAL DATA:

Packaging	metal combi can
Sizes	10 kg, 5 kg, 0.75 kg
Shelf Life	min. 12 months
Mixing Ratio	A:B = 1.9:1 parts per weight
Colour, wet	transparent
Colour, dry	brownish
Consumption	200 - 600 g/m <sup>2</sup> per layer*
Working Time	25 - 30 minutes*
Drying Time	see application charts
Minimum Application Temperature	10 °C at ground level and +3 °C above dew point
Final Strength	after 3 - 5 days*

\*At 20 °C and 65% relative humidity. See "Application Chart".



## SUBSTRATE PREPARATION:

The substrate must be sound, load-bearing, dry, free from cracks and free from materials (dirt, oil, grease) that would impair adhesion. Test the substrate in accordance with applicable standard or notices and report any deficiencies. Any adhesion-reducing or unstable layers, e.g. release agents, loose adhesives, compounds, covering or paint residues, etc. must be removed, e.g. by brushing, abrading, grinding or shot-blasting. Dense, smooth and metal surfaces should be degreased and abraded. On metal, pre-test for adhesion strength. Allow the primer to dry completely. The datasheets for other used products have to be observed.

## APPLICATION:

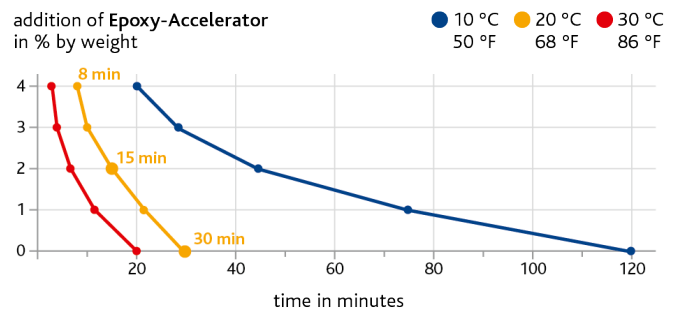
- Before use, allow the combi-cans to come to room temperature. Punch several times through the plastic plug and the floor of the upper container (hardener B). Allow the hardener to drain completely into the lower container (resin A). Remove the empty upper container and thoroughly blend the components with a spiral mixer (A). Decant the mixed material into an oval bucket and mix once again.
- Immediately apply an even coat of the primer onto the substrate with the UZIN Nylon Fibre Roller (B). On smooth surfaces, it can be spread with a B2 notched trowel and then evenly rolled out. Ensure a fully sealed coat. Pay attention to the limited working time.
- When the coat is dry to accept foot traffic, but within 48 hours, apply the second coat crosswise. For a visual differentiation between the coats, mix approx. 1% of UZIN Epoxy Colourant into the material for the second coat (C).
- With subsequent application of levelling compounds, the last wet coat has to be gritbanded immediately with UZIN Quartz Sand 0.8 (approx. 3 kg/m<sup>2</sup>). After curing vacuum thoroughly.
- In case of using UZIN PE 460 as a moisture barrier and using UZIN PE 280 as a bonding primer on top, the minimum quantity of UZIN PE 460 has to be 500 g/m<sup>2</sup> in one layer.
- Clean tools immediately after use considering the recommended safety measures. Hardened material can only be removed mechanically. When applying the material always wear the recommended safety equipment.



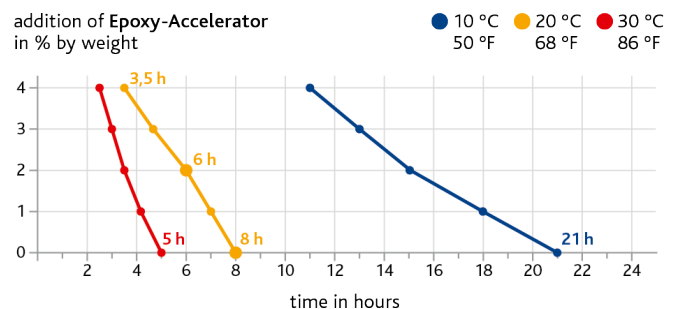
To accelerate the setting process, up to max. 4% of UZIN Epoxy Accelerator can be added to the primer. The application of the following coat can therefore be carried out earlier, ideally at the same day.

The working and setting time when using the accelerator are shown in the following diagrams:

### Working Time



### Set to Foot Traffic



An addition of 2% allows a 2-coat application within one day.

**Caution: The working time with 4% of the accelerator is dramatically reduced. Only use this quantity with adequate experience and lower temperatures!**

## APPLICATION CHART:

Foundation / Application	Consumption	Drying Time
Rough, shotblasted or milled substrates	300 - 600 g/m <sup>2</sup>	5 - 21 hours*
Slightly shotblasted substrates, application with B2 notched trowel	approx. 500 g/m <sup>2</sup>	
Sanded substrates, old adhesive residues	250 - 350 g/m <sup>2</sup>	
Smooth, dense, non absorbent substrates	200 - 250 g/m <sup>2</sup>	
Barrier on new, trowelled, smoothed cementitious screed	1st coat: approx. 350 g/m <sup>2</sup> approx. 250 g/m <sup>2</sup>	

\*At 20 °C and 65% relative humidity, with tempered containers. Material consumption is increased at lower temperatures and depends on the roughness of the substrate.

- Before use, allow the combi-cans to come to room temperature. Punch several times through the plastic plug and the floor of the upper container (hardener B). Allow the hardener to drain completely into the lower container (resin A). Remove the empty upper container and thoroughly blend the components with a spiral mixer (A). Decant the mixed material into an oval bucket and mix once again.
- When using as a primer, apply the mixed material immediately and even onto the substrate by using the UZIN Nylon Fibre Roller.
- To create levelling compounds, screeds or repair mortars pour the appropriate UZIN special filler or quartz sand into the mixed material and mix for at least 2 minutes with a spiral mixer.
- Apply the homogeneous material immediately onto the substrate, then trowel and smooth.
- Clean tools immediately after use considering the recommended safety measures. Hardened material can only be removed mechanically. When applying the material always wear the recommended safety equipment.

## APPLICATION CHART:

Application	Consumption	Drying Time
Primer: Mixed resin without fillers	200 - 400 g/m <sup>2</sup> per coat	Read for foot traffic: after 12 - 24 hours* Durable for water and chemicals: after 7 days*
Levelling compound: e.g. with quartz sand 0.8 or quartz powder mix	with mixing ratio 1:1.5: approx. 10 kg UZIN PE 460 + 15 kg quartz sand 0.8 / quartz powder mix -> approx. 14 litres of self levelling compound or: each mm/m <sup>2</sup> : 0.72 kg UZIN PE 460 + 1.1 kg quartz sand 0.8 / quartz powder mix	
Screed / Mortar: e.g. with special filler UZIN XS 3.2	with mixing ratio 1:10: approx. 10 kg UZIN PE 460 + 100 kg special filler UZIN XS 3.2 -> approx. 64 litres of compressed mixture or: each cm/m <sup>2</sup> : 1.6 kg UZIN PE 460 + 16 kg special filler UZIN XS 3.2	

\*At 20 °C and 65% relative humidity, with tempered containers. Material consumption is increased at lower temperatures and depends on the roughness of the substrate.

## IMPORTANT NOTES:

- ▶ A shelf life of 12 months when stored in moderately cool conditions, in the original packaging. Allow containers to come to room temperature before use.
- ▶ Best applied between 15 - 20 °C, with the floor temperature above 15 °C and relative air humidity below 65%. High temperatures and high air humidity shorten the drying time. Whilst low temperatures and low air humidity lengthen the drying time.
- ▶ **Caution:** Epoxy material can become extremely hot after mixing in the container. Therefore use the material immediately, don't leave the container unattended after mixing and take the bucket outside after use to allow residues to cure.
- ▶ Two coats are required when using as a moisture barrier up to 5 CM% / 98% RH.
- ▶ A surface barrier cannot be applied onto old cement screeds with levelling compound residues or moisture sensitive substrates.
- ▶ Contact UZIN Technical Service for advice if a moisture barrier is required on cementitious screeds with underfloor heating or concrete sole plates are present.
- ▶ When used over underfloor heating ensure it has been commissioned and fully tested in accordance with the manufactures guidelines.
- ▶ If installing wooden floors with UZIN reactive resin adhesives directly to the primer this must happen within 48 hours after applying the primer.

- ▶ For use in PAH decontamination please refer to the detailed system recommendations and notes on the internet ([www.uzin.com](http://www.uzin.com)).
- ▶ For priming metal substrates, prepare a test area or contact UZIN Technical Service for advice.
- ▶ For use as a levelling compound, allow the primer to dry. Apply the compound within 24 to 36 hours on the cured primer. If this is not possible, blind the wet primer with UZIN Perlsand 0.8. Once cured, remove any loose sand which has not embedded.
- ▶ Apply epoxy mortar "wet in wet" on the primer.
- ▶ Protect freshly applied epoxy mortar areas from draughts, direct sunlight and sources of heat.
- ▶ Do not mix partial quantities!
- ▶ When mixed with the UZIN Epoxy Accelerator it will not achieve EC 1 PLUS classification.
- ▶ Follow the generally acknowledged rules of the trade and technology for the installation of wood flooring and floor covering in respective of the applicable national standards (e.g. EN, DIN, OE, SIA, etc.).

## SEALS OF QUALITY & ECOLABELS:

- ▶ Solvent-free
- ▶ EMICODE EC 1 PLUS / Very low emission

## COMPOSITION:

Polyamine-hardened epoxy resin.

## PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Solvent-free. Non flammable. Comp. A: Contains epoxy resin/irritant. Comp. B: Contains amine hardener/corrosive. Both components: May cause irritations or burns to eyes, skin or respiratory system. May cause sensitisation by skin contact. After contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Use barrier cream, protective gloves and safety-goggles. In liquid form, "hazardous to the environment", therefore do not allow into drains, water courses or landfill. Observe safety information on product label as well as safety data sheet. Once cured, has neutral odour and presents no physiological or ecological risk.

## DISPOSAL:

Where possible, collect product residues and re-use. Do not allow dispersal into drains, sewers or ground. Empty, scraped and drip-free containers are recyclable. Containers with liquid residue, as well as the liquid product, are classed as Special Waste. Dried product residues are classed as Construction Waste. Therefore collect waste material, mix both components and allow to harden, then dispose as Construction Waste.