

	<h2 style="text-align: center;">HERITAGE PERMIT APPLICATION &amp; SUBMISSION REQUIREMENTS</h2> <p style="text-align: center;">Development &amp; Housing Approvals 200 King Street West, 6<sup>th</sup> Floor Kitchener ON N2G 4V6 519-741-2426; planning@kitchener.ca</p>
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**STAFF USE ONLY**

Date Received:	Accepted By:	Application Number:
		HPA-

**PART B: HERITAGE PERMIT APPLICATION FORM****1. NATURE OF APPLICATION**

- ☒ Exterior      ☐ Interior      ☐ Signage  
☐ Demolition      ☐ New Construction      ☐ Alteration      ☐ Relocation

**2. SUBJECT PROPERTY**Municipal Address: 122 Frederick St, Kitchener, ON N2H 2L9Legal Description (if know): The Registry TheatreBuilding/Structure Type: ☐ Residential      ☒ Commercial      ☐ Industrial      ☐ InstitutionalHeritage Designation: ☒ Part IV (Individual)      ☐ Part V (Heritage Conservation District)Is the property subject to a Heritage Easement or Agreement? ☐ Yes      ☒ No**3. PROPERTY OWNER**Name: Corporation of the City of KitchenerAddress: 200 King St W,City/Province/Postal Code: Kitchener, ON N2G 4G7Phone: 519-741-2345

Email: \_\_\_\_\_

**4. AGENT (if applicable)**Name: Andrew KittCompany: City of KitchenerAddress: 200 King St W,City/Province/Postal Code: Kitchener, ON N2G 4G7Phone: 519-502-8573Email: andrew.kitt@kitchener.ca

## 5. WRITTEN DESCRIPTION

Provide a written description of the project including any conservation methods proposed. Provide such detail as materials to be used, measurements, paint colours, decorative details, whether any original building fabric is to be removed or replaced, etc. Use additional pages as required. Please refer to the City of Kitchener Heritage Permit Application Submission Guidelines for further direction.

Replace broken limestone steps with similar limestone that was used to replace the top stairs about a decade ago to ensure a uniform look to the exterior steps. Heritage can inspect and select the limestone they feel is a best match. The same mason that replaced the top row of steps will also replace the broken middle row. The existing steps will be removed along with the row above so that the replacement steps can slide underneath and attach as intended.

## 6. REVIEW OF CITY OF KITCHENER HERITAGE PERMIT APPLICATION SUBMISSION GUIDELINES

Describe why it is necessary to undertake the proposed work:

The broken step is an immediate health and safety risk. The broken pieces are large enough to cause someone to fall.

Describe how the proposal is consistent with the Part IV individual designating by-law or the Part V Heritage Conservation District Plan:

It maintains the integrity of the original steps and the method was proven to be sufficient as the same people, process and materials used to replace the top row of limestone steps 8 years ago and they will use limestone from the same source to replace the middle steps.

Describe how the proposal is consistent with Parks Canada's *Standards and Guidelines for the Conservation of Historic Places in Canada* ([www.historicplaces.ca/en/pages/standards-normes.aspx](http://www.historicplaces.ca/en/pages/standards-normes.aspx)):

It maintains original design and materials

## 7. PROPOSED WORKS

- a) Expected start date: May 2025 Expected completion date: Completed in a single day
- b) Have you discussed this work with Heritage Planning Staff? ☒ Yes ☐ No  
- If yes, who did you speak to? Michelle Drake
- c) Have you discussed this work with Building Division Staff? ☒ Yes ☐ No  
- If yes, who did you speak to? Andrew Kitt & Christopher Leishman
- d) Have you applied for a Building Permit for this work? ☐ Yes ☒ No
- e) Other related Building or Planning applications: Application number n/a

## 8. ACKNOWLEDGEMENT

The undersigned acknowledges that all of the statements contained in documents filed in support of this application shall be deemed part of this application. The undersigned acknowledges that receipt of this application by the City of Kitchener - Planning Division does not guarantee it to be a 'complete' application. The undersigned acknowledges that the Council of the City of Kitchener shall determine whether the information submitted forms a complete application. Further review of the application will be undertaken and the owner or agent may be contacted to provide additional information and/or resolve any discrepancies or issues with the application as submitted. Once the application is deemed to be fully complete, the application will be processed and, if necessary, scheduled for the next available Heritage Kitchener committee and Council meeting. Submission of this application constitutes consent for authorized municipal staff to enter upon the subject property for the purpose of conducting site visits, including taking photographs, which are necessary for the evaluation of this application. The undersigned acknowledges that where an agent has been identified, the municipality is authorized but not required to contact this person in lieu of the owner and this person is authorized to act on behalf of the owner for all matters respecting the application. The undersigned agrees that the proposed work shall be done in accordance with this application and understands that the approval of this application under the *Ontario Heritage Act* shall not be a waiver of any of the provisions of any by-law of the City of Kitchener or legislation including but not limited to the requirements of the Building Code and the Zoning By-law. The undersigned acknowledges that in the event this application is approved, any departure from the conditions imposed by the Council of the City of Kitchener or from the plans or specifications approved by the Council of the City of Kitchener is prohibited and could result in a fine being imposed or imprisonment as provided for under the *Ontario Heritage Act*.

Signature of Owner/Agent: Andrew Kitt

Date: March 24, 2025

Signature of Owner/Agent: 

Date: April 4/25

*NR. FM*

## 9. AUTHORIZATION

If this application is being made by an agent on behalf of the property owner, the following authorization must be completed:

I / We, \_\_\_\_\_, owner of the land that is subject of this application,  
hereby authorize \_\_\_\_\_ to act on my / our behalf in this regard.

Signature of Owner/Agent: \_\_\_\_\_

Date: \_\_\_\_\_

Signature of Owner/Agent: \_\_\_\_\_

Date: \_\_\_\_\_

*The personal information on this form is collected under the legal authority of Section 33(2), Section 42(2), and Section 42(2.2) of the Ontario Heritage Act. The information will be used for the purposes of administering the Heritage Permit Application and ensuring appropriate service of notice of receipt under Section 33(3) and Section 42(3) of the Ontario Heritage Act. If you have any questions about this collection of personal information, please contact the Manager of Corporate Records, Legislated Services Division, City of Kitchener (519-741-2769).*



# TECHNICAL DATA SHEET

## FILE UNDER DIVISION 4

### 1. PRODUCT NAME

**LAST PATCH™ GEL**

### 2. MANUFACTURER

Bonstone Materials Corporation

### 3. PRODUCT DESCRIPTION

A kit packaged exterior grade stone repair compound. Designed for addition of stone aggregate, overfill of patch area, and grinding flush. This product exhibits far superior color stability and gloss retention when compared to epoxy and polyester patching materials.

#### Options:

##### Cure

Fast 20 min @ 70F

##### Color

Std. Clear, custom color as required

#### Applications

- Overfill and grind patching with stone aggregate
- Travertine fill with or without aggregate
- Dutchman installation (Replacement of stone pieces)
- Patching granite & marble

#### Limitations

Use on dry stone. Use on oil, grease, and coatings free stone. Store product at room temperature and limit humidity exposure. Do not store at or near freezing temperatures.

### 4. TECHNICAL DATA

( On next page )

### 5. INSTALLATION

#### *General Instructions*

( See separate dutchman and travertine filling instructions for more specific instructions. CSI format specifications are available )

#### Surface Preparation and Use

Use gloves, wear eye protection, and avoid skin contact. When grinding cured product wear a dust mask. Substrate to be patched must be completely dry and dust free. Mix and apply the entire kit at one time. Avoid stressing the joint before complete cure of product. Mask areas which must be kept free of product. Clean uncured product from tools with toluol or xylol. (Use caution, these solvents are flammable. Ensure local ventilation.) Remove cured product mechanically.

#### Mixing Instructions

Last Patch™-Gel has a mix ratio 1:1 by volume. Product can then be tinted (do not exceed 5% by weight polyester colorant addition.) Product can then have stone aggregate added. Apply with trowel or other implement into and over the area to be repaired.

#### Temperature Dependency

The adhesive, substrate, aggregate, and environment's temperature will affect the working properties of the material. With all items at 70°F (21.1 °C) the standard product will set up in approximately 15-20 minutes. Grinding may be performed in several hours. Full cure 48 hours

#### Coverage

2 oz. kits contain about 4 cubic inches of product. Call Bonstone for coverage of your project.

Stone aggregate is often approximately 50% of a patch volume, so double the volume of the cartridge for a rough estimate of coverage.

### 6. AVAILABILITY

#### Packaging and storage

The Last Patch™ is available in kit form & quarts. Standard kits are

packaged in 2 fluid ounces, and quarts. Standard kits and quarts are clear, knife grade (like Vaseline) product. Special kits may be ordered. Modification of standard kits for color matching requires at least 2 weeks from time of order. Special size or viscosity products will vary with prior experience and normally take 6 to 8 weeks for production and delivery.

Shelf life is printed on the product label. It is generally 6 months to one year from date of packaging.

Store at room temperature (well above freezing) and at a relative humidity below 50%.

### 7. WARRANTY

This product's warranty is limited to replacement of defective material and freight charges to destination only. Bonstone Materials Corporation is not responsible for consequential damages.

### 8. MAINTENANCE

This product is designed for application in areas inaccessible to maintenance procedures. Some powerful etching compounds, especially those containing hydrofluoric acid, may degrade the material.

### 9. TECHNICAL SERVICE

#### Lab Service

- Spectrophotometric color matching is available.
- Sample patches can be made on stone forwarded to lab.

#### Specification Service

- Specifications on file
- Development of proposed specifications for special projects.

#### 4. | | |----------------| | TECHNICAL DATA | |----------------|

### LAST PATCH™ GEL

#### MIXED PROPERTIES

#### VALUES

#### TEST METHODS

Mix ratio	1:1 mix ratio (Part A in metal can, Part Bin 1 oz tube)	
Mixed Viscosity at 75°F (standard product)	Knife grade (holds peak)	
Pot Life at 75 °F	1-2 minutes	
Initial set time at 75°F	15-20 minutes	
Ready to grind	2 hours (using accelerator will shorten	

#### UV TESTING: QUV with SOLAR EYE

( Cycles; 4 hours condense @ 50°C, followed by 8 hours UV-A-340/  
0.8 intensity/ 60°C).  
Total of 500 hours  
Results: \* No change in yellow index  
\* ΔE= 0.78

#### CURED PROPERTIES

#### Strengths

##### Cohesive

Tensile	313 psi	ASTM D-638
Compressive	3,385 psi	ASTM D-695

##### Adhesive (on Academy Black Granite)

Shear	1,147 psi	ASTM D-905
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#### Moduli

##### Cohesive

Tensile	2,052 psi	ASTM D-638
Compressive	14,832 psi	ASTM D-695

#### Elongation

##### Cohesive

Tensile (at break)	14.9 %	ASTM D-638
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## TECHNICAL DATA SHEET

# KEIM FIXATIVE + CONSOLIDANT

### 1. PRODUCT DESCRIPTION

KEIM Fixative is a clear binder, thinner and consolidation agent made from pure, liquid potassium silicate. It dries completely clear and develops a natural mineral matte finish which leaves the masonry surface completely natural in appearance without altering existing colors.

### 2. FIELD OF APPLICATION

Use KEIM Fixative as a binder and dilution for pure silicate-based, two-component paint systems, KEIM Purkristalat and KEIM Décor Paints. It may be used as a dilution for KEIM Granital. Also use KEIM Fixative as a vapor permeable primer on very porous masonry surfaces to reduce absorbency and extend coverage of subsequent mineral topcoats. It also helps to minimize variable porosity across surfaces that are highly porous resulting in a more uniform topcoat appearance. Use KEIM Fixative as an anti-dusting finish on interior or exterior brick, stone, stucco, concrete or any masonry surfaces. Fixative "ties down" loose masonry dust and elements and consolidates masonry to eliminate future dusting. Use KEIM Fixative as a mild consolidant for friable and damaged masonry, brick and stone. The penetrating action strengthens and restores weakened and decayed masonry by re-bonding the molecular structure on a cellular level. It fills voids and consolidates them. It is not a sealer as the stone remains breathable, but it will limit the absorption of ambient moisture to a slower rate, then that of an untreated stone.

Recommended Uses:

- Interior and exterior
- Above grade
- Aged, decayed and friable masonry and brick
- Cast and precast concrete
- Natural stone
- Stucco surfaces

### 3. PRODUCT PROPERTIES

KEIM Fixative penetrates and bonds permanently with the substrate, is highly

moisture vapor permeable, extremely resistant to weathering and is incombustible. KEIM Fixativ contains no organic additives.

- Forms covalent chemical bonds, similar to those in original substrate—no synthetic polymers
- Extremely weather resistant
- Non-film forming, will not develop a hard crust
- Extremely moisture vapor permeable
- High binding power and fixing action
- Non-flammable
- UV resistant
- Hinders fungal and mold growth
- Resistant to acid rain and pollution
- Low viscosity allows deep penetration
- Environmentally friendly with low environmental impact

#### Technical data

Specific weight	approx. 1.17 g/cm <sup>3</sup>
Penetration Depth	Class II:= 10 mm
Active Content	100%
pH value	11.3
Vapor Permeability ASTM E 96	93+ perms
Solubility in water	Fully miscible
VOC	< 1 g/liter

Color: Clear (tea colored)

#### Environmental Compliance

EPA	YES
LEED	YES
CARB	YES
SCAQMD	YES

### 4. SPECIFICATIONS/SYSTEMS

For proper performance, porous surface must be thoroughly soaked and saturated with Fixative. Depending on surface porosity, level

## TECHNICAL DATA SHEET – KEIM FIXATIVE + CONSOLIDANT

of decay, etc. multiple and successive applications may be required.

### 5. SURFACE PREPARATION

The mineral substrate must be absorbent, sound, dry, clean and free from dust and grease. Loose areas, dirt, oily substances, release agents, curing compounds, moss and algae must be completely removed.

### 6. APPLICATION

#### Pretreat highly absorbent or sanding surfaces or as a consolidant:

Dilute Fixative with clean water in ratio of 1:1, 1:2 or 1:3. Apply diluted Fixative by flooding surface with brush, roller or airless spray. Multiple coats may be required if the surface is extremely porous, sanding or decayed.

#### To mix with Purkristalat or Décor Paints:

Soak 5 kg of color powder in 4 liters of KEIM Fixativ.

#### Anti-dusting applications:

Dilute Fixative with clean water in a ratio of 1:3. Apply diluted fixative by flooding surface with brush, roller or airless spray. Multiple coats may be required if surface is extremely porous, sanding or decayed.

#### To dilute Purkristalat, Décor Paints, or Granital: Refer to relevant technical data sheet.

#### Application conditions

Ambient and substrate temperature: 40°F and rising. Do not apply in direct sunlight or on sun-heated substrates. Equipment and tools must be clean. The surface of the building material must be clean, dry and absorbent and may have to be cleaned beforehand. The quantity to be applied by flooding depends on the absorbency of the substrate (apply onto trial area). Nonabsorbent surfaces cannot be treated with Fixative. Avoid direct sunlight and exposure to strong wind. Protect coated surfaces from direct sunlight, wind and rain during and after application for a minimum of 12 hours.

#### Drying times

Drying times are temperature, humidity and coverage dependent.

	@ 40-50°F	@ 50°F +
Touch:	4--6 hour	2--4 hours
Reapply or topcoat:	10--24 hours	10 hours

#### Cleaning

Clean spills, spatters, hands, and tools immediately after use with water.

#### Coverage\*

SUBSTRATE	COVERAGE*
Cast or Pre-Cast Concrete	250—300 SF/GAL
Fiber Cement Siding	250—300 SF/GAL
Portland Stucco	125—175 SF/GAL
CMU Block (smooth) and brick	75—100 SF/GAL
CMU Block (split faced or fluted)	25—50 SF/GAL
Gunite/Shotcrete	75—125 SF/GAL
Brick/Natural Stone Masonry	200—250 SF/GAL

\*Stated values are based on our experience on smooth surfaces. Surface texture, porosity, application conditions and type of equipment used will all vary consumption. Only a test application, using desired mixing ratio and under production conditions will fore-cast consumption of the system components accurately.

### 7. PACKAGING

4-liter (1.05 gal) and 24 liter (6.34 gal) Steel Pail

### 8. STORAGE

Approx. 12 months in tightly closed container under cool, frost-free conditions. Protect from heat and direct sunlight.

### 9. DISPOSAL

Dispose of completely emptied containers in accordance with local, state and federal waste regulations.

#### HAZARDOUS SUBSTANCE CLASS

Not Applicable

#### LIMITATIONS

Do not apply to polished stone or previously painted surfaces. Not for use below grade.

### 10. SAFETY INSTRUCTIONS

KEIM Fixative is alkaline.

Provide appropriate protection for surfaces which are not to be treated (e.g. glass, sidewalks, pavers, landscaping, etc.). Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water. Protect the eyes and skin from splashes.

Keep out of reach of children.

The stated values and properties are the result of extensive development work and practical experience. Our recommendations for application, whether given verbally or in writing, are intended to provide assistance in the selection of our products and do not establish a contractual relationship. In particular, they do not release those purchasing and applying our products from the duty of establishing for themselves, with due care, the suitability of our products for the intended application. Standard building industry practices must be complied with. We retain the right to make modifications to improve the products or their application. This edition supersedes all earlier editions.

The information and recommendations set forth in this Technical Data Sheet are based upon tests conducted by or on behalf of KEIM Mineral Coatings. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult <http://www.keim-usa.com/Technical-Data-Sheets> for the latest in product technical information.