

Town of Whately Massachusetts
COMMUNITY PRESERVATION COMMITTEE

Funding Request Form

Project Title: Sealing of Library brick surfaces

Submission Date: 12/5/23

Full Name of Entity Submitting Application: Library Board of Trustees
(If submitted on behalf of an organization, please include a statement from an officer of the organization certifying organization's approval.)

Contact Person: Name: Bob Smith, Chair, Board of Trustees

Address: 303 Long Plain Road S. Deerfield, MA 01373

Telephone(s): 413-522-1498

Email: bomenagewi@comcast.net

Purpose: Please check all that apply: Open Space Community Housing
 Historic Preservation Recreation

Full Description of Project: (Attach a separate sheet if necessary.)

At some point in the Library's history, the Town saw fit to whitewash with paint the entire brick surfaces of the building. Late in the 20th century, the Town sandblasted the bricks in order to return them to their natural color. This process removed most of the protective surface of the bricks, and as time has passed, the bricks have become much more porous, resulting in cracking of masonry and bricks. In order to halt this progression, the Board of Trustees seeks to seal the exterior brick surfaces of the building after consultation with our mason, Rich Cooper. The mason will use Conpro Shield MX as the sealer, which meets the standards of the Department of Interior for historic preservation because it is Siloxane based. This product and process will seal the bricks and prevent further incursion of moisture, and further cracking of bricks and masonry.

Requested Attachments:

- Property address including Whately Assessor's Map, Lot/parcel number with current owner
- Copy of deed to Current Owner, if available
- Description of the property
- Maps if relevant
- Surveys, if available
- Appraisals and Agreements, if available;
- Budget detailing construction/maintenance costs, and funding/revenue sources, if any

Each project request must be submitted to the Community Preservation Committee using the Funding Request Form as a cover sheet. Email submissions are acceptable as long as the time of the email meets the deadline requirement.

Amount of Funding Requested: \$ 6,500.00

Fiscal Year	Total Project Costs	CPC Funds Requested	Other Funding Sources (amount and source)
24-25	\$6500.00	\$6500.00	
Total			

Obtain quotes for project costs whenever possible. If not available, estimates may be used provided the basis of the estimate is fully explained

Time Line of Project:

Spring 2024

Town Boards/Committees which reviewed the project:

Library Board of Trustees

The relevant town board or committee must endorse the project within 60 days of submission of the application for it to proceed through the funding process.

For CPC use

Funding application received on _____ by _____
 Acknowledgment of receipt mailed on _____ by _____

CPC review

Further information requested _____ by _____
 Requested information received _____ by _____
 Meeting with applicant _____
 Final review _____
 Determination _____ by _____
 Applicant notified of determination _____ by _____

Warrant item approved by the Town on _____ rejected on _____

Information relevant to application of Library Board of Trustees for Sealing of Exterior brick work:

1. The Library building is located at 202 Chestnut Plain Road

2. The property and building are owned by the Town of Whately

3. Budget:

As submitted by Mason Rich Cooper:	\$5875.00
Contingency:	\$675.00
Total:	\$6500.00

Because the estimate for this work is dated 4 September 2023, we are Asking for contingency fund of \$675.00 to cover cost increase since estimate was submitted (if any), and monies to pay for unforeseen circumstances as on site work progresses.

In addition, as stated in the estimate, there may be permitting fees, prevailing wage issues, etc.

Included in this submission is a fact sheet for the product to be used. Additional information may be found at conproco.com.

4 September 2023

TO: Bob Klinger

[413-563-1480](tel:413-563-1480)

rklinger@klingerengineering.com

Attention: Bob

Project: Seal 202 Chestnut Plain Rd, Whately

PROPOSAL #1755

Masonry by Rich, fully licensed and insured, proposes to provide services, equipment and supplies (unless otherwise specified) needed to complete said tasks as detailed in the following description. One full year warranty from completion date (unless otherwise specified such as patching which holds no guarantee of life span):

DESCRIPTION:

Apply Conproco Shield masonry sealer to the entire exterior brick of the building.

Masonry By Rich Cooper

Office [413-650-0031](tel:413-650-0031)

Cell/Txt/VM: [413-687-7326](tel:413-687-7326)

Masonrybyrich@gmail.com

Conpro Shield MX

**Spray, roller or brush applied,
penetrating aqueous
silane/siloxane water repellent.**

WHERE TO USE

**Vertical and horizontal concrete,
concrete block, concrete pavers,
natural stone, stucco and brick.**

Performance Characteristics

Maximum protection

- Passes ASTM E514.
100% no leakage.
94% reduction in water absorption.

Long term protection

- Advanced silicone technology.

Environmental protection

- Mitigates carbonation.
Effective chloride ion screen.
UV stable.
Unaffected by microbiological activity.

Breathability

- Water vapor permeable.

Clear result

- Will not darken or alter light reflection of substrate when properly applied to a dry and untreated surface.

Cold weather application

- Apply to 40°F or above.
With 1-hour cure will tolerate sub-freezing temperatures with no affect.
Substrate should be frost free.

Increases durability

- Repels water from penetrating substrate. Most damage to concrete, masonry and stone is due to water entry.

Environmentally friendly

- Water based technology, low odor, easy handling and clean up.

VOC compliant

- Meets all current VOC emission standards for waterproofing, concrete/masonry sealer.

Surface Preparation

- Substrate must be clean and free of loose debris, oils, paints, previously applied water repellents or any substance that can interfere with penetration.
- Substrate must be dry and frost free. Moisture in the substrate will reduce penetration.
- Repoint loose deteriorating mortar; fill all voids and cracks in mortar.
- Inspect flashing around all openings, caulking, expansion joints and roof components to determine condition and for evidence of water entry. Material will not prevent water entry through cracks or voids in substrate or other building components.

Priming

- Priming is not necessary.

Mixing

- Stir until homogenous.

Application

- Always apply to a test area to ensure Conpro Shield MX will not affect the appearance of the surface due to reaction with previously applied materials or by drawing surface contaminants into the substrate.
- For best results apply with a low pressure sprayer using a fan tip.
- For vertical applications begin at the bottom of the wall and work up generating a 4 - 6 inch rundown.
- Work to natural break points in the structure.
- Always keep a wet edge.
- For horizontal applications begin at one edge and work backwards towards the opposite edge.
- Apply enough material to saturate the surface, but do not allow material to pond. Brush out ponded material before surrounding area dries.
- Single coat coverage is suitable for most applications.
- Multiple applications of Shield MX can be applied either wet on wet or to a cured surface.

Curing

- Protect from moisture and traffic for 8 hours.
Material is fully cured in 14 days.

Clean Up

- Clean tools, equipment and adjacent areas with water immediately after application.
- Clean glass, metal, vinyl, aluminum with glass cleaner before material can cure.
- Cured material can be removed mechanically.

Conpro Shield MX

Coverage/Yield

Coverage will vary depending upon porosity of substrate.
Concrete – 125 - 175 ft.²/gal.
Concrete block – 40 - 150 ft.²/gal.
Brick – 100 - 175 ft.²/gal.

Product Handling

Packaging

1, 5 and 54 gallon plastic containers.

Shelf Life

18 months in unopened containers.
Materials must be agitated thoroughly before each use to ensure homogeneity.

Storage

Transport and store in cool, clean, dry conditions in unopened containers.

Do Not Freeze -

This will destroy the Shield MX.

Limitations

- Ensure adequate air movement to dissipate fumes during application and curing.
- Use safety glasses and gloves during application.
- Do not dilute.
- Do not spray in high winds.
- Always apply a sample to determine suitability to substrate.
- Does not prevent water entry through cracks, penetrations or open joints.
- Not applicable for below-grade waterproofing.
- Not recommended for use on bluestone.

Health and Safety

- Product is alkaline.
- Do not ingest.
- Avoid breathing mist.
- Avoid contact with skin and eyes.

Refer to Safety Data Sheet (SDS) for additional information.

First Aid

If swallowed contact a medical professional immediately.
Do not induce vomiting.
In case of skin contact, wash thoroughly with soap and water.
For eye contact, flush immediately with a high volume of water for at least 15 minutes and contact a medical professional.
For respiratory problems, remove person to fresh air.
If respiratory difficulty persists, contact a medical professional.

Disposal

Dispose of material in accordance with local, state and federal regulations.

Technical Data

Physical state and appearance		Milky white liquid
pH		9
Odor		Slight
Solids by weight		11%
Solvent system		Aqueous
Volatile organic content - VOC	ASTM D3960	<50 gms./liter
Active ingredients		Siloxane based
Density of liquid coatings	ASTM D1475	8.4 lbs./gal.
Accelerated weathering - QUV	ASTM G154	2000 hours UV-B cycled with condensation – no effect
Accelerated weathering – carbon-arc	ASTM G152	Pass – no effect
Water penetration and leakage	ASTM E514	100% reduction, no staining or leakage
Water vapor transmission	ASTM E96	100%
Resistance to salt spray	ASTM B117	Pass – no effect
Moisture absorption	ASTM C140	Reduction compared to control 94%
NCHRP 244 Series II		
Reduction in chloride ion intrusion		82%

FOR PROFESSIONAL USE ONLY

Conproco warrants this product for one year from the date of manufacture to be free from manufacturing defects and to meet the technical properties on the current technical data sheet if used as directed within shelf life. User determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product, exclusive of labor or cost of labor. January 8, 2016.

NO OTHER WARRANTIES EXPRESSED OR IMPLIED SHALL APPLY, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.
CONPROCO CORP SHALL NOT BE LIABLE UPON ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES.

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