

THIS IS A 3-PAGE FORM - ALL INFORMATION IS REQUIRED FOR PROJECT REVIEW

# HISTORIC DISTRICT COMMISSION PROJECT REVIEW REQUEST

City of Detroit - Planning & Development Department  
2 Woodward Avenue, Suite 808  
Detroit, Michigan 48226

DATE: \_\_\_\_\_

## PROPERTY INFORMATION

ADDRESS(ES): 1801 Wabash \_\_\_\_\_ AKA: \_\_\_\_\_

PARCEL ID: 1004823 \_\_\_\_\_ HISTORIC DISTRICT: Corktown \_\_\_\_\_

SCOPE OF WORK: (Check ALL that apply)

<input type="checkbox"/> Windows/ Doors	<input checked="" type="checkbox"/> Walls/ Siding	<input type="checkbox"/> Painting	<input type="checkbox"/> Roof/Gutters/ Chimney	<input type="checkbox"/> Porch/Deck/ Balcony	<input type="checkbox"/> Addition
<input type="checkbox"/> Demolition	<input type="checkbox"/> Signage	<input type="checkbox"/> New Building	<input type="checkbox"/> Major Alteration (3+ scope items)	<input type="checkbox"/> Site Improvements (landscape, trees, fences, patios, etc.)	

BRIEF PROJECT DESCRIPTION: \_\_\_\_\_

## APPLICANT IDENTIFICATION

Property Owner/  
Homeowner

Contractor

Tenant or  
Business Occupant

Architect/Engineer/  
Consultant

NAME: Bart Rue & Alex McHugh \_\_\_\_\_ COMPANY NAME: Majic Window Co \_\_\_\_\_

ADDRESS: 30580 Beck \_\_\_\_\_ CITY: Wixom \_\_\_\_\_ STATE: MI \_\_\_\_\_ ZIP: 48393 \_\_\_\_\_

PHONE: 248-668-9090 Ext 726 \_\_\_\_\_ MOBILE: \_\_\_\_\_ EMAIL: Amchugh@majicwindow.co \_\_\_\_\_

## PROJECT REVIEW REQUEST CHECKLIST

Please attach the following documentation to your request:

\*PLEASE KEEP FILE SIZE OF ENTIRE SUBMISSION UNDER 30MB\*

Completed Building Permit Application  
(highlighted portions only)

ePLANS Permit Number (only applicable if you've already  
applied for permits through ePLANS)

Current Photographs: Including the front of the building & detailed photographs of the area(s) affected by  
the proposed work. All photographs must be labeled or captioned, e.g. "west wall", "second floor window," etc.

Description of existing conditions (including materials and design)

Description of project (if replacing any existing material(s), include an explanation as to why  
replacement--rather than repair--of existing and/or construction of new is required)

Detailed scope of work (formatted as bulleted list)

Brochure/cut sheets for proposed replacement material(s) and/or product(s), as applicable

### NOTE:

Based on the scope of work, additional  
documentation may be required.

See [www.detroitmi.gov/hdc](http://www.detroitmi.gov/hdc) for scope-  
specific requirements.

Upon receipt of this documentation, staff will review and inform you of the next steps toward obtaining your building  
permit from the Buildings, Safety Engineering and Environmental Department (BSEtED) to perform the work.

**SUBMIT COMPLETED REQUESTS TO: [HDC@DETROITMI.GOV](mailto:HDC@DETROITMI.GOV)**

# P2 - BUILDING PERMIT APPLICATION

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

## PROPERTY INFORMATION

Address: 1801 Wabash Floor: \_\_\_\_\_ Suite#: \_\_\_\_\_ Stories: 2  
AKA: \_\_\_\_\_ Lot(s): \_\_\_\_\_ Subdivision: \_\_\_\_\_  
Parcel ID#(s): 10004823 Total Acres: \_\_\_\_\_ Lot Width: \_\_\_\_\_ Lot Depth: \_\_\_\_\_  
Current Legal Use of Property: single family home Proposed Use: single family home  
Are there any existing buildings or structures on this parcel?  Yes  No

## PROJECT INFORMATION

Permit Type:  New  Alteration  Addition  Demolition  Correct Violations  
 Foundation Only  Change of Use  Temporary Use  Other: \_\_\_\_\_  
 Revision to Original Permit #: \_\_\_\_\_ (Original permit has been issued and is active)

Description of Work (Describe in detail proposed work and use of property, attach work list)

MBC use change  No MBC use change

Included Improvements (Check all applicable; these trade areas require separate permit applications)

HVAC/Mechanical  Electrical  Plumbing  Fire Sprinkler System  Fire Alarm

### Structure Type

New Building  Existing Structure  Tenant Space  Garage/Accessory Building  
 Other: \_\_\_\_\_ Size of Structure to be Demolished (LxWxH) \_\_\_\_\_ cubic ft.

Construction involves changes to the floor plan?  Yes  No

(e.g. interior demolition or construction to new walls)

Use Group: \_\_\_\_\_ Type of Construction (per current MI Bldg Code Table 601) \_\_\_\_\_

Estimated Cost of Construction \$ 45000 \$ \_\_\_\_\_  
By Contractor By Department

### Structure Use

Residential-Number of Units: 1  Office-Gross Floor Area \_\_\_\_\_  Industrial-Gross Floor Area \_\_\_\_\_  
 Commercial-Gross Floor Area: \_\_\_\_\_  Institutional-Gross Floor Area \_\_\_\_\_  Other-Gross Floor Area \_\_\_\_\_

Proposed No. of Employees: \_\_\_\_\_ List materials to be stored in the building: \_\_\_\_\_

PLOT PLAN SHALL BE submitted on separate sheets and shall show all easements and measurements (must be correct and in detail). SHOW ALL streets abutting lot, indicate front of lot, show all buildings, existing and proposed distances to lot lines. (Building Permit Application Continues on Next Page)

### For Building Department Use Only

Intake By: \_\_\_\_\_ Date: \_\_\_\_\_ Fees Due: \_\_\_\_\_ DngBld?  No

Permit Description:

Permit #:

Current Legal Land Use: \_\_\_\_\_ Proposed Use: \_\_\_\_\_

Permit#: \_\_\_\_\_ Date Permit Issued: \_\_\_\_\_ Permit Cost: \$ \_\_\_\_\_

Zoning District: \_\_\_\_\_ Zoning Grant(s): \_\_\_\_\_

Lots Combined?  Yes  No (attach zoning clearance)

Revised Cost (revised permit applications only) Old \$ \_\_\_\_\_ New \$ \_\_\_\_\_

Structural: \_\_\_\_\_ Date: \_\_\_\_\_ Notes: \_\_\_\_\_

Zoning: \_\_\_\_\_ Date: \_\_\_\_\_ Notes: \_\_\_\_\_

Other: \_\_\_\_\_ Date: \_\_\_\_\_ Notes: \_\_\_\_\_





**IDENTIFICATION (All Fields Required)**

**Property Owner/Homeowner**  Property Owner/Homeowner is Permit Applicant

Name: Bobby & Anita Wills Company Name: \_\_\_\_\_  
Address: 1801 Wabash City: Detroit State: MI Zip: 48216  
Phone: 231-286-6226 Mobile: 734-625-1406  
Driver's License #: \_\_\_\_\_ Email: \_\_\_\_\_

**Contractor**  Contractor is Permit Applicant

Representative Name: Alex Mchugh Company Name: Majic Window Co  
Address: 30580 Beck City: Wixom State: MI Zip: 48393  
Phone: 248-668-9090 ext727 Mobile: \_\_\_\_\_ Email: amchugh@majicwindow.com  
City of Detroit License #: LIC2001-02452

**TENANT OR BUSINESS OCCUPANT**  Tenant is Permit Applicant

Name: \_\_\_\_\_ Phone: \_\_\_\_\_ Email: \_\_\_\_\_

**ARCHITECT/ENGINEER/CONSULTANT**  Architect/Engineer/Consultant is Permit Applicant

Name: \_\_\_\_\_ State Registration#: \_\_\_\_\_ Expiration Date: \_\_\_\_\_  
Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ Mobile: \_\_\_\_\_ Email: \_\_\_\_\_

**HOMEOWNER AFFIDAVIT (Only required for residential permits obtained by homeowner.)**

I hereby certify that I am the legal owner and occupant of the subject property and the work described on this permit application shall be completed by me. I am familiar with the applicable codes and requirements of the City of Detroit and take full responsibility for all code compliance, fees and inspections related to the installation/work herein described. I shall neither hire nor sub-contract to any other person, firm or corporation any portion of the work covered by this building permit.

Print Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
(Homeowner)

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_ A.D. \_\_\_\_\_ County, Michigan  
Signature: \_\_\_\_\_ My Commission Expires: \_\_\_\_\_  
(Notary Public)

**PERMIT APPLICANT SIGNATURE**

I hereby certify that the information on this application is true and correct. I have reviewed all deed restrictions that may apply to this construction and am aware of my responsibility thereunder. I certify that the proposed work is authorized by the owner of the record and I have been authorized to make this application as the property owner(s) authorized agent. Further I agree to conform to all applicable laws and ordinances of jurisdiction. I am aware that a permit will expire when no inspections are requested and conducted within 180 days of the date of issuance or the date of the previous inspection and that expired permits cannot be

Print Name: Bart Rue Signature: BR Date: 8/24/21  
(Permit Applicant)

Driver's License #: R 000 081 040 990 Expiration: 12/28/21  
Subscribed and sworn to before me this 24 day of August 20 21 A.D. Oakland County, Michigan  
Signature: Brian McKeown My Commission Expires: July 24, 2024  
(Notary Public)

**Section 23a of the state construction code act of 1972, 1972PA230, MCL 125.1523A, prohibits a person from conspiring to circumvent the licensing requirements of this state relating to persons who are to perform work on a residential building or a residential structure. Visitors of Section 23a are subject to civil fines.**

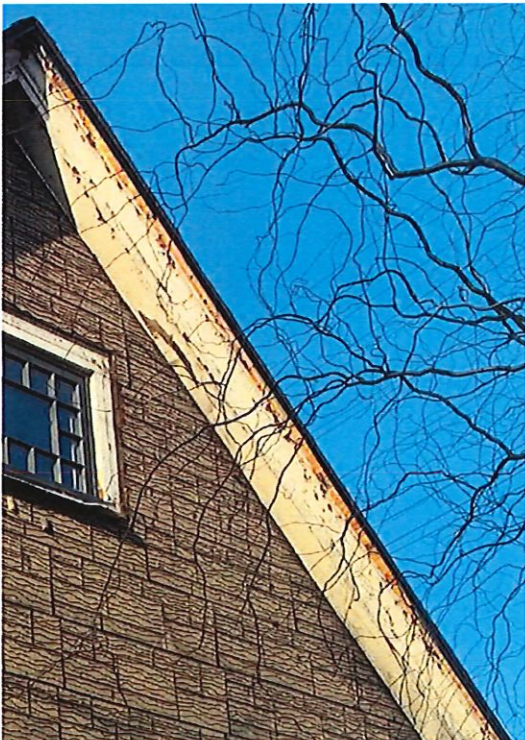
This application can also be completed online. Visit [detroitmi.gov/bseed/elaps](http://detroitmi.gov/bseed/elaps) for more information.

Brian McKeown  
NOTARY PUBLIC - STATE OF MICHIGAN  
County of Oakland  
My Commission Expires July 24, 2024  
Acting in the County of Oakland

East Wall



East wall Fascia





South Wall.



North Wall.





North/West Wall.



Garage West.







Below is a picture of the original condition of the house prior to the this project:



The proposed material for siding is smooth hardieboard with 4" reveal to comply with historical appropriateness. This is planned to be installed over existing siding for the following reasons:

- About 20-25% of the house has the original clapboard intact. Modifications done to the house over time removed a significant amount of clapboard on the original house, and the back addition and garage, installed in the early 20<sup>th</sup> century, did not have similar wood clapboard.
- While it is not possible to tell the condition of all the original clapboard without removing all of the asphalt siding, it is visible that there is a significant amount of clapboard that was damaged through water and insects, and indicates that the overall condition of the clapboard is relatively poor. There is also evidence of damage under each of the windows. Per home inspection, structural repairs were made at some point that ensured the house was structurally sound, but much of the original clapboard is damaged or missing throughout the house.







- At some point prior to our ownership, multiple doors were covered on both the interior and exterior. On the exterior, they were covered with aluminum siding. It would involve significant modifications in order to remove the doorways, reframe the walls, and install new wood siding over them.



- Due to the above reasons, we decided to side over the existing material, as we feel there is only a fraction of the original siding present and intact to preserve or restore. However, it would remain under the other layers of siding, and the amount that is remaining would still be preserved. We strongly feel that if there was enough of the original siding intact, we would have went the route of restoration rather than residing, but due to the condition of the house, we feel new siding is the appropriate action, and our goal is to add back some of the historical aspects we have seen with other houses in our neighborhood.

Per the original HDC report, the fascia and soffit material will not be aluminum and vinyl, as that was deemed inappropriate. Most of the original fascia and soffit remain intact, though the porch and back of the house will need replaced. Additionally, the back addition and garage, being installed at a later date, did not have comparable fascia and soffits. In order to use appropriate materials, we would propose using wood for the addition and garage fascia, but of simple design. The porch details around



the fascia/roof line were removed when aluminum siding was installed. A wood fascia and soffit will be installed here that will match the rest of the house. The roof is a sealed roof and does not require soffit vents. The roofing/drip edge will need to be modified in order to be flush with the wood fascia.



Part of the original siding plan was to install scallops in the front and side peaks of the house. We have seen other houses in Corktown with scallops, and like the appearance. Our intent was to add some of Corktown's historical character to the siding without being too ornate. Based on the neighboring house, nearly all of the front peak detail was removed to install the asphalt siding, most likely to provide a flush surface to attach it to. Due to the lack of original materials, we would like to add some detail back by installing scallops. Below are some examples of scallops in our neighborhood. The first two houses are within a block of our house, and all are in Corktown. If required, we would be willing to do horizontal siding up through the peak but would prefer the scallops if HDC would deem appropriate.



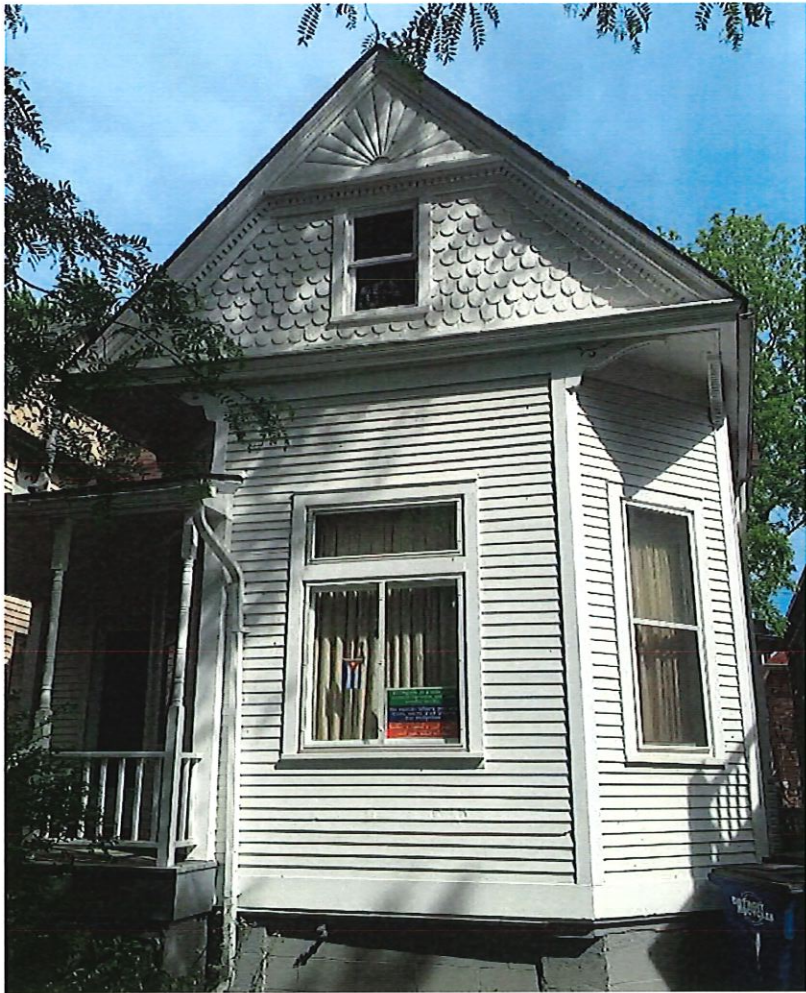
Comparison of neighboring house detail and our house:



Examples of scallops in Corktown:











1801 Wabash St

## Scope of Work

- Tear down Hardie from initial install
- Install Hardie Wrap to entire house.
- Install 4" Hardie trim on all corners, doors and windows.
- Install aluminum flashing matching siding color around all windows, doors and roof lines where siding meets roof.
- Install 5 ¼" smooth Hardie with a 4" reveal.
- At every siding seam, install 8"x8" aluminum flash card.
- Install Hardie scallop shake on West and East peak's
- Caulk all vertical seams that meet trim.
- Sand and paint and existing wood fascia.
- Installing 5" seamless gutters with downspouts.

# HardiePlank® Lap Siding

Submittal Form

01

Submitted to: .....

Project Name: .....

Submitted by: .....

Date: .....

- HZ5® Product Zone     HZ10® Product Zone
- Product Width:  5-1/4in  6-1/4in  7-1/4in  8in  8-1/4in  9-1/4in  12in
- Product Finish:  Primed  ColorPlus® Technology
- Product Texture:  Smooth  Select Cedarmill®  Colonial Roughsawn®  
 Colonial Smooth®  Rustic Cedar

# HardiePlank® Lap Siding

Specification Sheet

01

DIVISION: 07 00 00 THERMAL AND MOISTURE PROTECTION

SECTION: 07 46 46 FIBRE CEMENT SIDING

## HARDIEPLANK® LAP SIDING

### Manufacturer

James Hardie Building Products, Inc

The products are manufactured at the following locations, with quality control inspections by ICC-ES:

- Cleburne, Texas
- Plant City, Florida
- Reno, Nevada
- Waxahachie, Texas
- Peru, Illinois
- Pulaski, Virginia
- Tacoma, Washington
- Fontana, California

### Compliance with the following codes

- 2012, 2009 and 2006 International Building Code® (IBC)
- 2012, 2009 and 2006 International Residential Code® (IRC)

### Features

- Noncombustible
- Dimensionally Stable
- Resists damage from pests
- Weather Resistant-Engineered for Climate®
- Impact resistant
- Sustainable

### Use

James Hardie fiber-cement lap siding is used as exterior wall covering. The product complies with IBC Section 1404.10 and IRC Section R703.10. The product may be used on exterior walls of buildings of Type I, II, III and IV construction (IBC)

### Description

HardiePlank lap siding is a single-faced, cellulose fiber-reinforced cement (fiber-cement) product. HardiePlank lap siding complies with ASTM C1186, as Grade II, Type A; has a flame-spread index of 0 and a smoke-developed index of 5 when tested in accordance with ASTM E84; and is classified as noncombustible when tested in accordance with ASTM E136.

### Available Sizes

Product	Width (in)	Length	Thickness (in)
HardiePlank lap siding*	5-1/4, 6-1/4, 7-1/4, 8, 8-1/4, 9-1/4, 12	12 feet	5/16

\* HZ5: 9-1/4, 12 only available primed HZ10: 5-1/4, 9-1/4, 12 only available primed.

### Texture & Finish

HardiePlank lap siding comes in a variety of textures and finishes. The product is available in smooth or wood grain texture. Additional textures are available on a regional basis. Finish options are primed for field paint, or factory finished with ColorPlus® Technology. Color availability varies by region.

### Engineered for Climate®

HardiePlank lap siding is engineered for performance to specific weather conditions by climate zones as identified by the following map.





**Performance Properties**

General Property	Test Method	Unit or Characteristic	Requirement	Result	
<b>PHYSICAL ATTRIBUTES</b>	Dimensional Tolerances	Length	± 0.5% or ± 1/4 in	Pass	
		Width	± 0.5% or ± 1/4 in		
		Thickness	± 0.04 in		
		Squareness	Δ in diagonals ≤ 1/32 in/ft of sheet length. Opposite sheet sides shall not vary in length by more than 1/32 in/ft		
		Edge Straightness	≤ 1/32 in/ft of length		
	Density, lb/ft <sup>3</sup>	ASTM C1185		As reported	83
Water Absorption, % by mass	ASTM C1185		As reported	36	
Water Tightness	ASTM C1185	Physical Observations	No drop formation	Pass	
Flexural Strength	ASTM C1185	Wet conditioned, psi	>1015 psi	Pass	
		Equilibrium conditioned, psi	>1450 psi		
<b>THERMAL</b>	ASTM C177	Thermal Conductivity (BTU/(hr·ft <sup>2</sup> ·F))/inch		2.07	
		Actual Thermal Conductivity (K <sub>et</sub> )	As reported	6.62	
		Thermal Resistance R=1/ K <sub>et</sub>		0.48	
		Actual Thermal Resistance (R)		0.15	
<b>DURABILITY</b>	Warm Water Resistance	ASTM C1185	Physical Observations	No visible cracks or structural alteration	Pass
	Heat/Rain Resistance	ASTM C1185	Physical Observations	No visible cracks or structural alteration	Pass
	Freeze/Thaw Resistance	ASTM C1185	Physical Observations	No visible cracks or structural alteration	Pass
			Mass Loss, %	≤ 3.0%	
		Freeze/Thaw, % strength retention	≥ 80%		
UV Accelerated Weathering Test	ASTM G23	Physical Observations	No cracking, checking, or crazing	Pass	
<b>FIRE CHARACTERISTICS</b>	Surface Burning Characteristics	ASTM E84	Flame Spread Index (FSI)		0
			Smoke Developed Index (SDI)		≤ 5
			Fuel Contributed		0
			NFPA Class		A
			Uniform Building Code Class	As reported	1
	International Building Code® class		A		
	Noncombustibility	ASTM E136	Noncombustible	Pass/fail	Pass
Fire Resistance Rated Construction	ASTM E119	Fire Resistance Rating	1-hour	Note 1	

Note 1: listed on Warnock Hersey and ESR 2290

**Installation**

Install HardiePlank lap siding in accordance with:

- HardiePlank lap siding installation instructions
- ICC-ES ESR 2290
- Requirements of authorities having jurisdiction

**Warranty**

HardiePlank lap siding: 30-year, Non-Prorated, Limited Warranty  
 ColorPlus Technology: 15-year Limited Finish Warranty

**Sustainable Design Contribution**

- Regionally sourced content- varies by project location
- Avoidance of certain chemicals or Red List Compliance

Detailed product information for LEED projects, or other state or regional sustainability programs is available through James Hardie Technical Services.

**Storage and Handling**

Store flat and keep dry and covered prior to installation.

**Technical Services**

Contact James Hardie Technical Services online at [JamesHardie.com](http://JamesHardie.com), or by phone at (800)426-4051



Additional Installation Information, Warranties, and Warning are available at [JamesHardie.com](http://JamesHardie.com)

1 866 442 7343 | [www.jameshardie.com](http://www.jameshardie.com)

**IMPORTANT:** Failure to install and finish this product in accordance with applicable building codes and James Hardie written application instructions may affect system performance, violate local building codes, void the product-only warranty and lead to personal injury.

**DESIGN ADVICE:** Any information or assistance provided by James Hardie in relation to specific projects must be approved by the relevant specialists engaged for the project eg. builder, architect or engineer. James Hardie will not be responsible in connection with any such information or assistance.

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# Hardie Trim™

## Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Date of issue: 01/07/2014

Revision date: 11/30/2015

Supersedes: 01/07/2014

Version: 2.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Article  
Trade name : Hardie Trim™  
Product name : HardieTrim™ Brick Mould, HardieTrim™ Bed Mould, HardieTrim™ Rams Crown, HardieTrim™ Drip Cap, HardieTrim™ Base Cap, HardieTrim™ Skirtboards, HardieTrim™ Historic Sill, HardieTrim™ Sub Sill, HardieTrim™ Rake Mould and HardieTrim™ Shingle Mould  
Synonyms : HardieTrim™ Moulding Products  
Composite Moulding Products

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Construction material. External wall cladding accessories  
Use advised against : None identified

#### 1.3. Details of the supplier of the safety data sheet

James Hardie Building Products  
231 S. LaSalle Street, Suite 2000  
Chicago, IL 60604  
Telephone: 1-800-942-7343

#### 1.4. Emergency telephone number

Emergency number : 1-800-942-7343

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

GHS-US classification  
Not classified

#### 2.2. Label elements

GHS-US labelling  
No labelling applicable

#### 2.3. Other hazards

Other hazards which do not result in classification : This product is not classified as hazardous

According to criteria of OSHA's hazard communication (HazCom 21012), this product as is supplied is not classified as hazardous.

Physical contact with generated dust during processing may cause reversible irritating to eye and irritation sensation to skin. Dust from processing may cause reversible respiratory tract irritation if high concentration of dust inhaled. Dust generated from cutting or other manipulation is considered as nuisance dust.

This product does not present fire or explosion hazards as shipped. Fine turnings, fine dust from processing may be readily ignitable.

WARNING: May form combustible dust concentrations in air during processing.

#### 2.4. Unknown acute toxicity (GHS-US)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixture

This product is an article with following composition and does not meet criteria of mixture.



# Hardie Trim™

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Name	Product identifier	%	GHS-US classification
Polypropylene	(CAS No) 9003-07-0	40 – 90	Not classified
Lubricant	Proprietary	0.5 – 4	Not classified
Carbonic acid, calcium salt (1:1)	(CAS No) 471-34-1	0 – 60	Not classified

### SECTION 4: First aid measure

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin and affected area with water and soap.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention. Do not rub eyes after direct contact with dust generated during processing.
- First-aid measures after ingestion : Ingestion is not considered a potential route of exposure.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : Any dust created as a result of cutting or other manipulation may cause respiratory tract irritation. Wood dust may also cause respiratory sensitization of prolonged and repetitive exposure occurs. Wood dust is completely encapsulated within this product.
- Symptoms/injuries after skin contact : Any dust created as a result of cutting or other manipulation may cause mechanical irritation. Dryness and itching sensation. Wood dust, depending on species, may cause dermatitis if there is prolonged and repetitive contact.
- Symptoms/injuries after eye contact : Any dust created as a result of cutting or other manipulation may cause mechanical irritation. Redness and watering.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Use fire-extinguishing media appropriate for surrounding materials. Foam. Dry powder. Carbon dioxide. Water spray.
- Unsuitable extinguishing media : None known.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : The product is not flammable.
- Explosion hazard : Avoid generation of dust; fine dust dispersed in air in sufficient concentration, and in the presence of an ignition source is a potential dust explosion hazards.

#### 5.3. Advice for firefighters

- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Pick up large pieces and sweep/vacuum. Dust Deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.
- 6.1.1. For non-emergency personnel**
- Emergency procedures : In case of generation of dust during processing: use appropriate personal protective equipment.
- 6.1.2. For emergency responders**
- Protective equipment : Equip cleanup crew with proper protection equipment. Do not attempt to take action without suitable protective equipment.
- Emergency procedures : Avoid contact with skin and eyes. Do not breathe dust.

#### 6.2. Environmental precautions

Avoid release to the environment.

# Hardie Trim™

## Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Recover mechanically the product. Wet clean or vacuum up solids. Sweep or shovel fine turning into appropriate container for disposal. Avoid raising powdered materials into airborne dust. Avoid dispersal of dust in the air (i.e., cleaning dust surfaces with compressed air). Non-sparking tools should be used.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station when processing. Wear personal protective equipment. Avoid raising powdered materials into airborne dust. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixture operations. Provide adequate precautions, such as electrical grounding and bonding or inert atmospheres.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : No specific storage requirements.

Incompatible materials : Oxidizing materials.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Cellulose (9004-34-6)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)

### 8.2. Exposure controls

Appropriate engineering controls : Not required under normal conditions and use. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust dusts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area. Use only appropriately classified electrical equipment and powered industrial trucks.

Personal protective equipment : Safety glasses. Gloves.



Hand protection : Cotton or leather gloves are recommended when handling.

Eye protection : Safety glasses with side shields.

Respiratory protection : Not required under normal conditions and use. In case of insufficient ventilation while processing, wear suitable respiratory equipment.

Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Solid



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Appearance	: Solid board/ moulding
Colour	: Light yellow
Odour	: Odourless
Odour threshold	: No data available
pH	: Not applicable
Relative evaporation rate (butyl acetate=1)	: Not applicable
Melting point	: > 320° F (160° C)
Freezing point	: Not applicable
Boiling point	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: > 100° F (212° C)
Decomposition temperature	: > 320° F (160° C)
Flammability (solid, gas)	: No data available
Vapour pressure	: Not applicable
Relative vapour density at 20 °C	: Not applicable
Relative density	: > 1.0 (water=1)
Solubility	: Insoluble in water
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

The product is stable at normal handling and storage condition

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Open flames (sparks, in case generation of dust during processing).

### 10.5. Incompatible materials

Oxidizing material.

### 10.6. Hazardous decomposition products

Thermal decomposition products: Carbon monoxide, carbon dioxide, ketones, acrolein, aldehydes (including formaldehyde), unidentified organic compounds, smoke, and fumes.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified  
(Based on available data, the classification criteria are not met)

<b>Cellulose (9004-34-6)</b>	
LD50 oral rat	> 5 g/kg
LC50 inhalation rat (mg/l)	> 5800 mg/m <sup>3</sup> (Exposure time: 4 h)

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<b>Carbonic acid, calcium salt (1:1) (471-34-1)</b>	
LD50 oral rat	6450 mg/kg
ATE US (oral)	6450.000 mg/kg bodyweight

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)

<b>Polypropylene (9003-07-0)</b>	
IARC group	3 - Not classifiable

<b>Ethene, homopolymer (9002-88-4)</b>	
IARC group	3 - Not classifiable

Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure)	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure)	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Symptoms/injuries after eye contact	: May cause eye irritation sensation. Redness and watering.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Effect on ozone layer : No additional information available

Effect on the global warming : No additional information available



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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

- Waste disposal recommendations : This product, as supplied, is not regulated as a hazardous waste by the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations. Comply with state and local regulations for disposal.
- Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

In accordance with DOT

Not regulated for transport

#### Additional information

Other information : No supplementary information available.

#### ADR

No additional information available

#### Transport by sea

No additional information available

#### Air transport

No additional information available

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

#### 15.2. International regulations

##### CANADA

<b>Polypropylene (9003-07-0)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
<b>Cellulose (9004-34-6)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
<b>Ethene, homopolymer (9002-88-4)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
<b>Carbonic acid, calcium salt (1:1) (471-34-1)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria

#### EU-Regulations

No additional information available

<b>Cellulose (9004-34-6)</b>	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	
<b>Carbonic acid, calcium salt (1:1) (471-34-1)</b>	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

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according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

### 15.2.2. National regulations

#### Polypropylene (9003-07-0)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on INSQ (Mexican national Inventory of Chemical Substances)

#### Cellulose (9004-34-6)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on INSQ (Mexican national Inventory of Chemical Substances)  
Listed on CICR (Turkish Inventory and Control of Chemicals)

#### Ethene, homopolymer (9002-88-4)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on INSQ (Mexican national Inventory of Chemical Substances)

#### Carbonic acid, calcium salt (1:1) (471-34-1)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on INSQ (Mexican national Inventory of Chemical Substances)  
Listed on CICR (Turkish Inventory and Control of Chemicals)

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## SECTION 16: Other information

Indication of changes : 11/30/2015  
Revision date : Adoption of criteria of GHS according to HazCom 2012.  
Other information : Refer to NFPA 654, *Standard for the Prevention of Fire and Dust explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids*, for safe handling.

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*