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## **Addendum #2**

**ITT 2025-30**

### **General Contractor Services for Interior upgrades**

**At Two (2) schools**

**Closing Date: April 7, 2025 at 2:00 PM local time**

This Addendum forms part of the Contract Documents and amends the original Bids Documents and Specifications as noted below.

Ensure all parties submitting bids are aware of all items included in this Addendum.

Acknowledge receipt of this Addendum by inserting its number on the Bid Form.  
Failure to do so may subject bidder to disqualification.

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### **PART I – QUESTIONS AND ANSWERS**

**Question 1:** RE: for EEC Marguerite-Bourgeois Borden, at the site meeting there was mention of either cutting the floor or replacing tile on the floor at the urinals but there doesn't seem to be an instruction on that.

**Answer 1:** As discussed during the site meeting, the scope for floor tile removal or replacement under the urinals is clearly outlined. Please refer to the BOQ table on page 22, item #1.5 – Flooring Removal and Replacement Under Urinals, for the specified instructions.

**Question 2:** For EEC Marguerite-Bourgeois Borden, for the walls at the urinals it was discussed at the site meeting that there would be an abatement contractor removing some block. Is it possible to get an idea of how much is being removed?

**Answer 2:** The Environmental Consultant is authorized to obtain estimates from the Board's prequalified environmental contractors for the abatement work. Additionally, the consultant will oversee the execution of the abatement and issue the final report.

The contractor awarded the project will be responsible for removing the existing sanitary fixtures and coordinating with the Environmental Consultant to schedule the abatement work. A Cash Allowance of \$5,000 is included in the contract to cover this portion of the work.

**Question 3:** Please confirm the model of sink and faucet to be replaced in the classrooms for ÉEC Frère-André.

**Answer 3:** Please refer to *Document 1 - Sink and faucet data sheet* which includes the visual inspection report

**Question 4:** For ÉEC Marguerite-Bourgeois, Borden, please provide the Door Hardware Schedule

**Answer 4:** Please refer to *Document 2 - Metal door and Hardware data sheet*

**Question 5:** ÉEC Marguerite-Bourgeois, Borden, as per drawing A-202, the walls in Washrooms 1–3 where sinks and urinals are currently mounted contain asbestos. Should the price for abatement be included, or is it covered as a cash allowance?

**Answer 5:** Please refer to answer 2. The abatement of asbestos-containing walls in these washrooms is covered under the Cash Allowance for and should not be included in the Base Bid Price.

**Question 6:** for ÉEC Marguerite-Bourgeois, Borden, please provide the specifications for the new flooring in the Health Room and at the urinals in Washroom 1

**Answer 6:** The specifications are as follows:

- **Universal Washroom and Health Room Flooring:** The specified flooring is Armstrong Flooring's Medintone, a homogeneous sheet vinyl designed for environments requiring superior infection control, such as healthcare and educational facilities. Medintone features Diamond 10® Technology, offering enhanced durability, scratch, stain, and scuff resistance, and does not require polishing, facilitating easy maintenance. (Please refer to *Document 3 -Medintone sheet*)
- **Flooring Under Urinals in Washroom 1:** The specified flooring is LIGHT GREY, 30 x 30 cm (11.81" x 11.81"), TH.CT.LGR.1212.MT. from Olympia Tiles. (Please refer to *Document 4 - Olympia Tiles sheet*)

## **PART II – ENCLOSED DOCUMENTS**

The following documents are enclosed as part of Addendum #2 and form an integral component of RFQ 2025-31:

- Document 1 - Sink and faucet data sheet
- Document 2 - Metal door and Hardware data sheet
- Document 3 – Medintone sheet
- Document 4 - Olympia Tiles sheet

**END OF ADDENDUM 2**



SK-1

# Specifications

## DESCRIPTION

- Brass construction with chrome plated finish
- 1/2" IPS connections
- 8" centers
- Vandal resistant torx head screws

## OPERATION

- Wrist blade style handles with hot and cold color indicators


## FLOW

- Water usage is limited to these maximum flow rates as indicated by the corresponding product markings
  - ° 1.5 gpm max (5.7L/min) at 60 psi

## CARTRIDGE

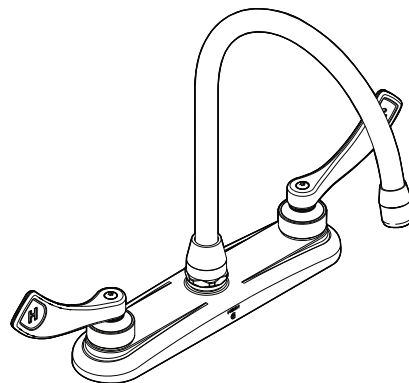
- Brass shell, ceramic disc cartridge
- 1/4 turn operation

## STANDARDS

- Third party certified to ASME A112.18.1/CSA B125.1 and all applicable specifications referenced therein
- Certified to NSF 61/9 & 372
- Complies with California Proposition 65 and with the Federal Safe Drinking Water Act
- **ADA**  for lever handles

## WARRANTY

- Warranted for 5 years against material or manufacturing defects

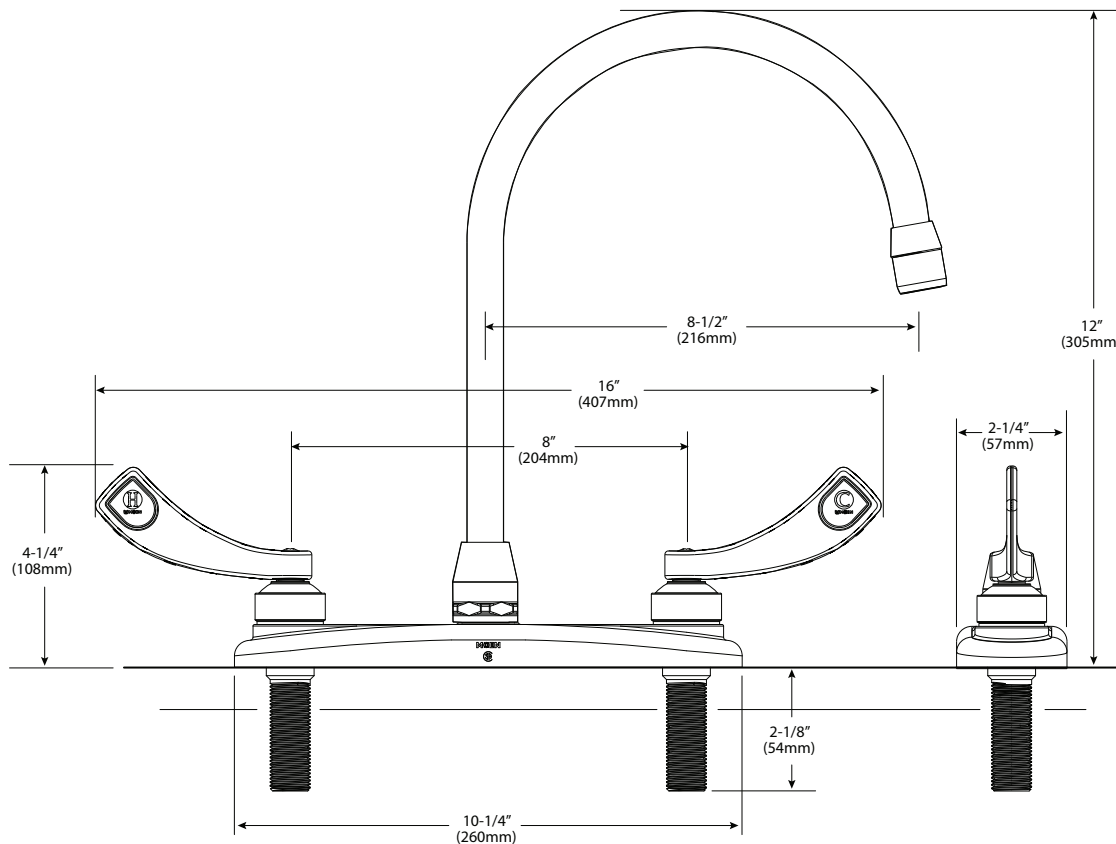


Two-Handle Kitchen Faucet

Model: 8289

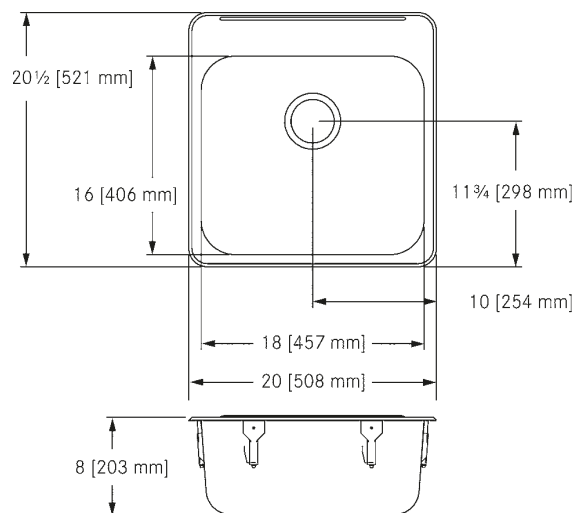


**NOTE:** Designed to be installed through 2 or 3 holes - 1" min. dia. and on 8" on center



## CRITICAL DIMENSIONS

(DO NOT SCALE)



Single compartment self rimming topmount sink with faucet ledge. 18 gauge (1.2 mm), type 304 (CNS 18/10) stainless steel. Exposed surfaces are #4 satin finished. Undercoated to reduce condensation and resonance. Includes waste fitting, factory applied rim seal, cutout template, and factory installed EZ TORQUE™ fasteners. Certified to ASME A112.19.3-2008 / CSA B45.4-08. Centre back waste location. Includes 3 1/2" (89 mm) crumb cup strainer with 1 1/2" (DN38) brass tailpiece. Model Options, specify when ordering: LBS6808P-1-1, 1 faucet hole, 1 1/2" diameter. LBS6808P-1-3, 3 faucet holes, 1 1/2" diameter, 4" centres, 8" centreset. LBS6808P-1, Custom (non-returnable). 20 1/2 x 20" Overall. 16 x 18 x 8" Bowl. (FB x LR x D). 521 x 508 mm Overall. 406 x 457 x 203 mm Bowl. (FB x LR x D).

**Product Dimensions**

Overall front to back	20.512
Overall left to right	20.118
Bowl dimension front to back	15.984
Bowl dimension left to right	17.992
Bowl depth	7.992

**Installation**

Installation type	Topmount
Installation system	EZ Torque

**Product specifications**

Gauge	18
Certification	cUPC
Type of material	Type 304
Material code	CNS 18/10
Surface finish	#4 Satin
Number of bowls	1
Faucet ledge position	Yes
Number of faucet holes	Specify when ordering
Waste location	Center back
Waste size	3 1/2" (89mm)
Tailpiece diameter (in)	1 1/2" (38mm)

**Product identification**

Model	LBS6808P-1
Product brand	FRANKE

Product category	Stainless steel sinks
<b>Features</b>	
Waste assembly	Included
Waste fitting	Crumb cup waste assembly



## Visual Inspection Report

**Date of Inspection: 14 Jan 2025**

**Inspected By: Mechways Inc**

**Location: Frère-André Catholic Elementary School,  
273 Cundles Rd E, Barrie, ON L4M 6L1**

### 1. SCOPE

The purpose of this professional visual inspection is to evaluate the condition of plumbing fixtures and pipes for functionality, integrity, and compliance with Ontario Building Code (OBC) standards. The inspection aims to identify visible signs of damage or wear and provide actionable recommendations for repairs or maintenance.

### 2. ROOMS INSPECTED

#### **2.1 FIXTURES AND PIPES**

A total of 22 rooms were inspected, including:

- Room 1-20
- Staff Room
- Admin Room

The inspection covered:

- Sinks
- Faucets
- Shut-off valves
- Visible pipes
- Drainage pipes
- Supply lines

#### **2.2 PIPES**

The inspection findings for the plumbing systems are as follows:

- Visible Pipes: No visible leaks, corrosion, or damage were observed in inaccessible pipes.
- Drainage Pipes: Proper drainage was confirmed in all rooms inspected, with no blockages detected.
- Supply Lines: All supply lines were securely connected and free of wear or bulges.



## 3. FINDINGS

### 3.1 SUMMARY OF ISSUES

- The following rooms require no changes: Room 3, Room 6, Room 8, Room 9, Room 10, Room 11, Room 12, Room 13, Room 17, Room 18, Room 19, Room 20, and Staff Room. The sinks, faucets, and shut-off valves in these rooms are in good working condition.
- The rooms requiring changes (Room 1, Room 2, Room 4, Room 5, Room 7, Room 14, Room 16, and Admin Room) have outdated sinks, faucets, and shut-off valves that need replacement to restore proper functionality and compliance with plumbing standards.

### 3.2 DETAILED OBSERVATIONS

#### \*\*Rooms Requiring Changes: \*\*

- Room 1: Sink, faucet, and shut-off valves are outdated and require replacement.
- Room 2: Sink, faucet, and shut-off valves are outdated and require replacement.
- Room 4: Sink, faucet, and shut-off valves are outdated and require replacement.
- Room 5: Sink, faucet, and shut-off valves are outdated and require replacement.
- Room 7: Sink, faucet, and shut-off valves are outdated and require replacement.
- Room 14: Sink, faucet, and shut-off valves are outdated and require replacement.
- Room 16: Sink, faucet, and shut-off valves are outdated and require replacement.
- Admin Room: Sink, faucet, and shut-off valves are outdated and require replacement.

#### Proposed Plumbing fixture specifications for all rooms:

1. Label: SK-1  
Sink  
Manufacturer: Franke Commercial  
Model #: **LBS6808P-1**
2. Label: SK-1  
Faucet  
Manufacturer: Moen  
Model #: **8289**

**Please refer to the attached specifications for SK-1.**

## 4. RECOMMENDATIONS

1. Immediate replacement of outdated sinks, faucets, and shut-off valves in the identified rooms to ensure compliance with OBC standards.
2. Regular preventive maintenance of plumbing systems to identify and address issues proactively.
3. Conduct periodic inspections to verify the ongoing integrity of the plumbing systems.



## 5. IMPACT OF REPLACEMENTS

### 1. \*Ontario Building Code (OBC) Compliance\*:

- The proposed fixtures will meet or exceed the latest OBC requirements, ensuring compliance with provincial standards for health, safety, and accessibility within educational facilities.

### 2. \*Water Efficiency\*:

- The proposed fixtures incorporate water-saving technologies, such as low-flow aerators, reducing water consumption and supporting the school's sustainability goals.

- This efficiency can also lead to long-term cost savings on water bills.

### 3. \*Hygiene and Sanitation\*:

- With the proposed sinks and faucets, there will be better functionality, minimizing leaks or stagnant water and reducing potential bacterial growth.

- Improved fixture designs can encourage proper handwashing practices, enhancing the overall health of students and staff.

### 4. \*Durability and Maintenance\*:

- The proposed fixtures are designed with more durable materials, resistant to wear and corrosion, reducing the likelihood of frequent repairs.

- This durability ensures easier maintenance, minimizing disruptions to school operations.

### 5. \*Aesthetics and Student Experience\*:

- The modern designs of the proposed fixtures provide a fresh, cleaner appearance that enhances the overall environment, creating a positive space for students and staff alike.

### 6. \*Environmental Impact\*:

- The proposed fixtures utilize eco-friendly, sustainable materials, contributing to a reduced environmental footprint.

## 6. CONCLUSION

The inspection revealed that the majority of the rooms have plumbing fixtures in good condition. However, some rooms require immediate attention to address outdated components. Timely repairs and ongoing maintenance will ensure the integrity and functionality of the plumbing system, adhering to Ontario Building Code standards.



## DESCRIPTION

- Brass construction with chrome plated finish
- 1/2" IPS connections
- 8" centers
- Vandal resistant torx head screws

## OPERATION

- Wrist blade style handles with hot and cold color indicators

## FLOW


- Water usage is limited to these maximum flow rates as indicated by the corresponding product markings
  - ° 1.5 gpm max (5.7L/min) at 60 psi

## CARTRIDGE

- Brass shell, ceramic disc cartridge
- 1/4 turn operation

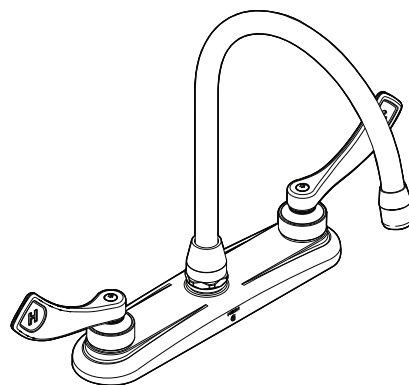
## STANDARDS

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- Complies with California Proposition 65 and with the Federal Safe Drinking Water Act

- **ADA**  for lever handles

## WARRANTY

- Warranted for 5 years against material or manufacturing defects

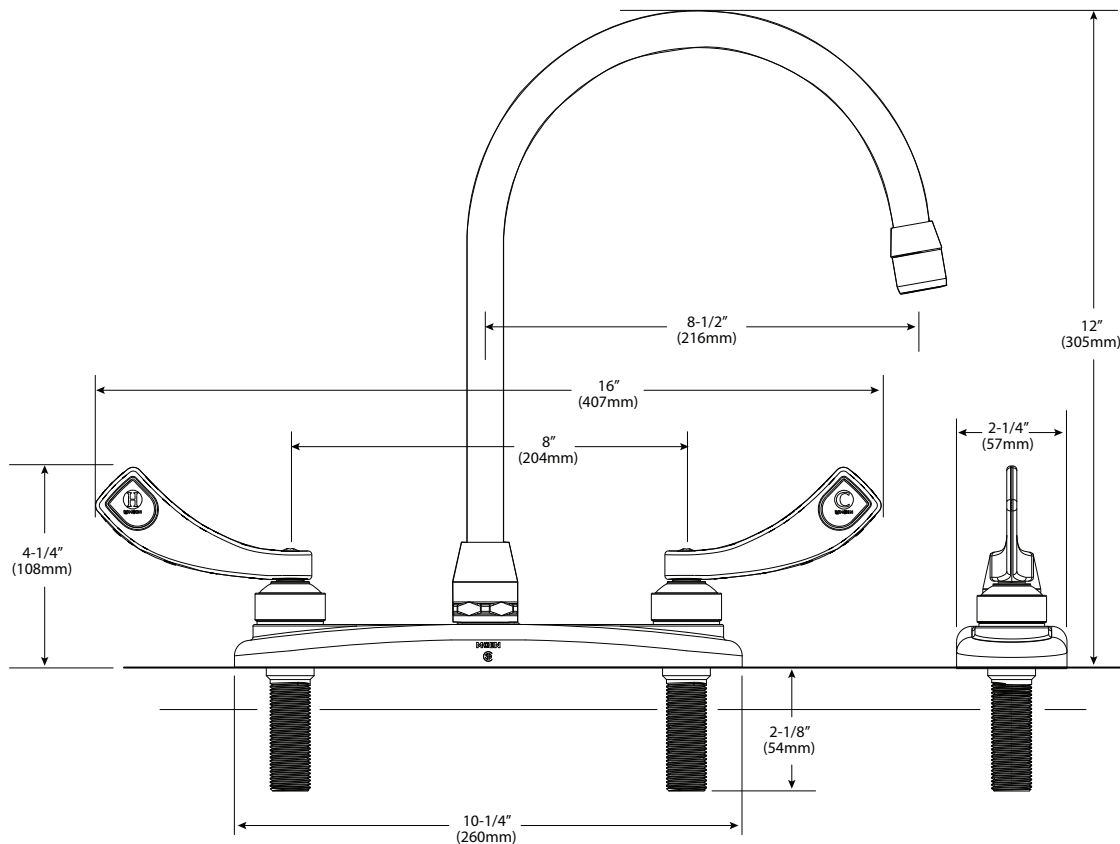


## Two-Handle Kitchen Faucet

Model: 8289

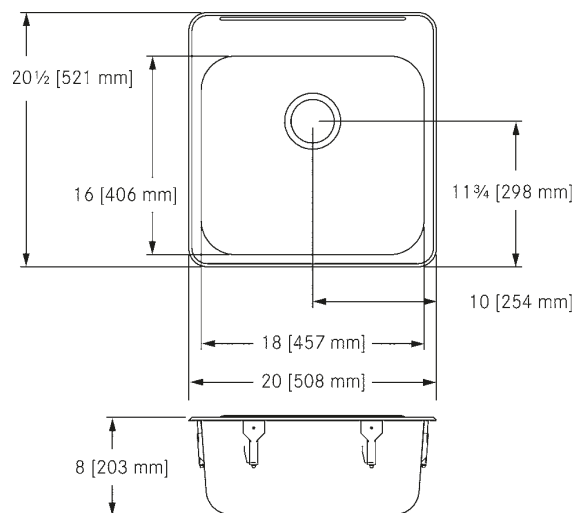


**NOTE:** Designed to be installed through 2 or 3 holes - 1" min. dia. and on 8" on center



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Installation type	Topmount
Installation system	EZ Torque

**Product specifications**

Gauge	18
Certification	cUPC
Type of material	Type 304
Material code	CNS 18/10
Surface finish	#4 Satin
Number of bowls	1
Faucet ledge position	Yes
Number of faucet holes	Specify when ordering
Waste location	Center back
Waste size	3 1/2" (89mm)
Tailpiece diameter (in)	1 1/2" (38mm)

**Product identification**

Model	LBS6808P-1
Product brand	FRANKE

Product category	Stainless steel sinks
<b>Features</b>	
Waste assembly	Included
Waste fitting	Crumb cup waste assembly



# FLUSH HOLLOW METAL DOOR

Heavy-duty steel door for commercial, industrial and institutional applications

Our stock hollow metal door is an affordable non-handed, square-edge door solution designed to meet your requirements for quality full flush steel doors - for commercial, institutional and industrial applications. Stocked with Steelcraft locations, these doors are designed to satisfy your requirements for durability, security, aesthetics or fire protection. Trudoor is authorized by Warnock Hersey / Intertek to modify, re-certify and label fire-rated metal doors.

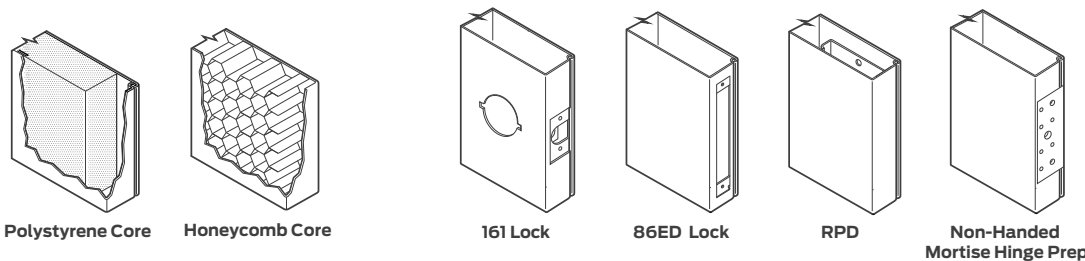
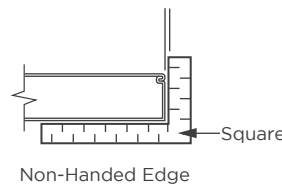
## Features:

- Heavy-duty, SDI Level 2 - 18 gauge steel faces
- 1-3/4" Thick, non-handed design with reversible hinge plates
- Polystyrene or rigid honeycomb core
- Inverted top and bottom channels for additional stability and protection
- Interlocking seam enhances structural rigidity and durability
- Heavy gauge hinge reinforcements and door closer reinforcement
- Available with a wide range of glass lites, louvers and hardware preps
- Factory applied rust inhibiting primer (no special color options)
- Fire-rated up to 3 hours with WHI / ITS mylar label applied
- Preps include 161 (cylindrical lock), 86ED (mortise lock), RPD (Rim Panic Reinforced)



## Code Compliance:

- Meets or exceeds ANSI A250.6 and A250.8
- Construction meets the requirements of ANSI A250.8
- Listed for installations requiring compliance to negative pressure testing (UL-10B) and positive pressure (UL-10C)
- Florida Product Approved



## Grade and Model:

ANSI A250.8 - SDI 100			Edge Construction	Maximum Sizes		Recommended Gauge of Frame
Level	Model	Description		Single	Pair	
<b>Level 2: Heavy Duty Commercial</b>			18 gauge (1.0 mm) - heavy commercial and institutional applications with high use			
2	1	Full Flush	Visible	4'0" x 8'0"	8'0" x 8'0"	16 gauge (1.3 mm)

Grades and models defined by Steel Door Institute (SDI)

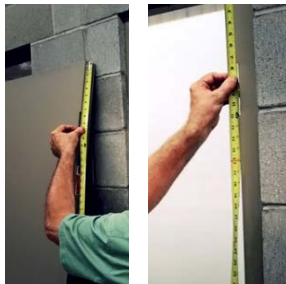
Manufacturers include Steelcraft and ASSA Abloy

### Step 1: Preparation



1. Select the right materials and tools for this project.
2. Locate the correct door by looking at the mark or opening number on the door. The mark number could be on the label, written on the top or bottom channel, or stamped into a hinge reinforcement.
3. Unpack the door.
4. Verify the door with the drawing and hardware schedule to ensure that you have the correct door, frame, and hardware set.
5. Before starting door installation, make sure the frame opening is the correct width and is plumb, square, and level. If the opening is not true, it can cause issues with the door fit as well as hardware function.
6. If required, verify that the door and frame have a fire label for the opening.
7. Check the hardware schedule. Contact your distributor if the information does not match.

### Step 2: Hinge Application and Door Installation



8. Locate the top of the door by comparing the hinge locations on the frame to the hinge locations on the door. Remember the top hinge location will be 1/8" less to allow for clearance between the door and frame when installed.
9. Check the screw holes and reinforcements in the door and frame to make sure they are clear of foreign matter.
10. Remove any excess grout, filler, paint, or weld splatter from the reinforcement.
11. Use a screw or tap to clear the threads on any screw holes that have foreign matter.
12. Check the hardware schedule or submittals to verify if you are using **standard** or **heavy weight** hinges.
13. For the application of standard weight hinges, simply attach the hinges to the door using the machine screws provided by the hinge manufacturer. Take care not to overtighten the machine screws.



### Step 3: Door Installation

14. Stand up the door and move it close to the opening.
15. Place a wood wedge or other support under the door to hold the weight.
16. Align the top hinge on the door with the top hinge cutout on the frame. The top hinge is typically installed first to hold the weight of the door.
17. Using the machine screws provided by the hinge manufacturer, install the hinges to the frame reinforcement at the top hinge location.
18. Install the middle and bottom hinge.
19. Remove the wood wedge or other support from under the door.
20. Close the door and verify there are proper clearances between the rabbet of the frame and the edge of the door. The door should swing freely. If the door does not swing freely, troubleshoot installation issues such as bind or alignment.
21. Install lockset, closer, and any other auxiliary hardware.
22. After installing the lockset, open and close the door to ensure the latch is engaging properly in the strike.



### Application of a Heavy Weight Hinges

Many manufacturers offer built-in features that allow hinge pockets on doors and frames to be modified from standard weight to heavy weight.

There are a variety of methods in which they can be modified such as:

- grinding or flattening down raised embossments in shim plates or reinforcements;
- removing or breaking off hinge filler shim plates;
- adjusting set screws;
- or removing wire shims.



These options all involve removing material from the pocket to allow for the thicker heavier weight hinges to fit in the hinge pocket. Failure to do so may result in the door not swinging freely.

Check with individual manufacturers to determine the type of modifications offered. Once the modification is complete, refer to the Door Installation instructions above.

### Application of Hinges to a Non-Handed Door



1. For non-handed doors, locate the non-handed filler plates and make sure you have the correct quantity. The plates may be supplied separately or attached to the hinge reinforcement with tape or a nylon plug.
2. Remove and discard the plug.
3. Install the handing or filler plates between the door hinge reinforcement and the hinge using the machine screws provided by the hinge manufacturer. If using heavy weight hinges, check for the manufacturer's recommended hinge reinforcement modification.
4. After applying the handing filler plate and hinge, check to be sure they are flush with the door edge or door face.
5. After installing the filler plates, refer to the same Door Installation instructions above.

The procedures in this manual are only guidelines. Please follow all applicable building codes, standards, and accepted practices specific to your geographic location.

## POWER ADJUSTMENT

BEFORE INSTALLATION, ADJUST THE SPRING POWER AS SHOWN ON CHARTS BELOW. DO NOT EXCEED THE MAXIMUM TURN. THE SPRING POWER HAS BEEN PRESET TO "0" TURNS FROM FACTORY.

### EXTERIOR (and VESTIBULE) DOOR WIDTH MINIMUM DOOR WIDTH (24")

	24" (610mm)	30" (762mm)	36" (914mm)	42" (1067mm)
REGULAR ARM & TOP JAMB	SIZE 3	SIZE 4	SIZE 5	
PARALLEL ARM	SIZE 3	SIZE 4		

### INTERIOR DOOR WIDTH MINIMUM DOOR WIDTH (24")

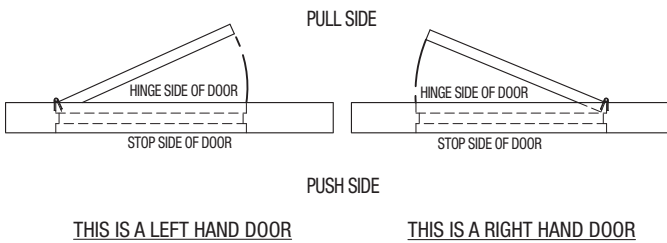
	24" (610mm)	30" (762mm)	34" (865mm)	38" (965mm)	48" (1219mm)	54" (1372mm)
REGULAR ARM & TOP JAMB	SIZE 1	SIZE 2	SIZE 3	SIZE 4	SIZE 5	
PARALLEL ARM	SIZE 1	SIZE 2	SIZE 3	SIZE 4		

## PREPARATION FOR FASTENERS

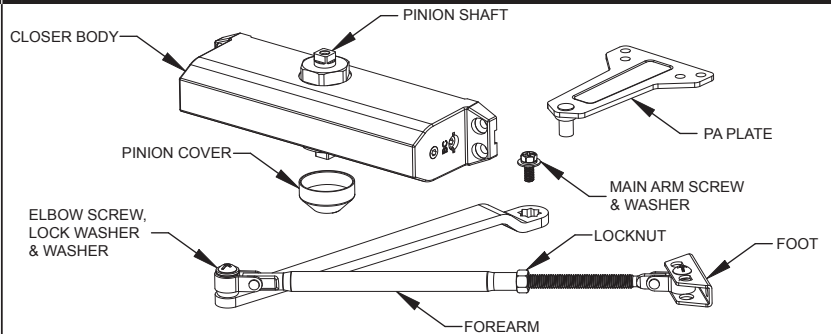
FASTENERS	DOOR OR FRAME	RECOMMENDED DRILL SIZES	DRILL DEPTH
Machine Screw	Hollow Metal or Aluminum	#7 (.201") & 1/4-20 Tap	*Through One Side
	Wood Cored	1/8"	*1-1/4"
Sheet Metal Screw	Hardwood	3/16"	
	Hollow Metal	3/16"	

\* Measure door thickness before drilling pilot holes to prevent drilling through opposite side

## DETERMINE HAND OF DOOR



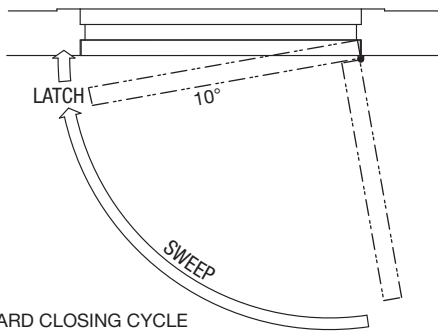
## COMPONENTS



## CLOSING SPEED CONTROL

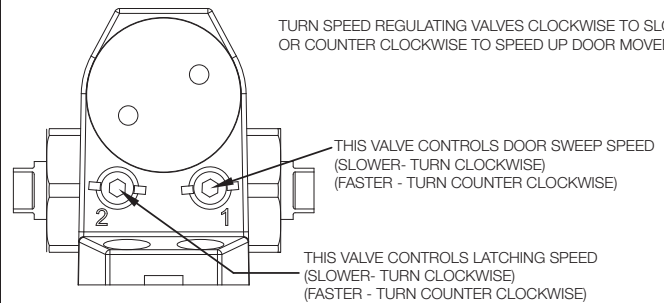
**CAUTION:** DO NOT BACK VALVES OUT OF CLOSER OR LEAK WILL RESULT.

**ATTENTION:** ADJUST CLOSING SPEED TIME TO BETWEEN 4 & 6 SECONDS FROM 90°. DOORS USED BY: HANDICAPPED, ELDERLY OR SMALL CHILDREN MAY REQUIRE LONGER CLOSING TIMES.

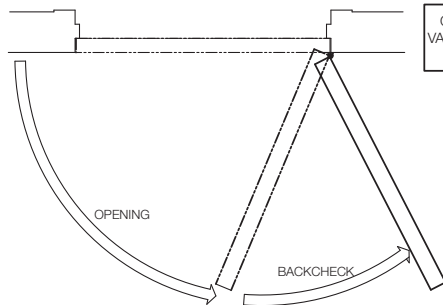


## REGULATING SWEEP SPEED & LATCHING SPEED

TURN SPEED REGULATING VALVES CLOCKWISE TO SLOW DOWN OR COUNTER CLOCKWISE TO SPEED UP DOOR MOVEMENT.



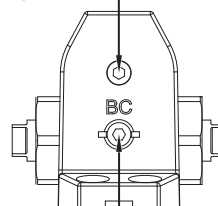
## POWER AND BACKCHECK ADJUSTMENT



**CAUTION:** DO NOT BACK VALVES OUT OF CLOSER OR A LEAK WILL RESULT.

**ATTENTION:** BACKCHECK ("BC") VALVE CONTROLS THE HYDRAULIC RESISTANCE TO DOOR OPENING IN BACKCHECK RANGE. NEVER CLOSE THIS VALVE COMPLETELY. IT IS NOT TO PROVIDE A POSITIVE STOP.

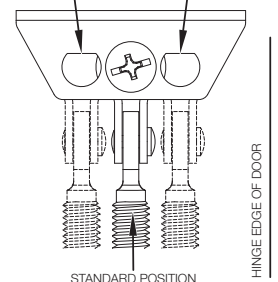
POWER ADJUSTMENT SCREW. TURN CLOCKWISE TO INCREASE OR COUNTER CLOCKWISE TO DECREASE.



TURN BC REGULATING VALVE CLOCKWISE TO INCREASE OR COUNTER CLOCKWISE TO DECREASE. **NEVER CLOSE THIS VALVE COMPLETELY.**

## FOOT POWER ADJUSTMENT

MOVE FOOT PIVOT TO HOLE AS ILLUSTRATED  
LESS POWER MORE POWER

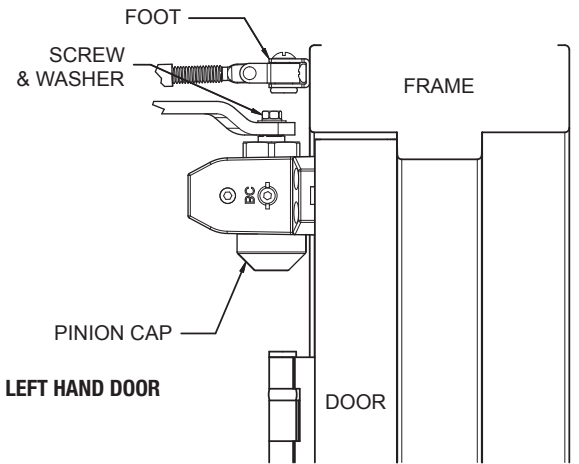
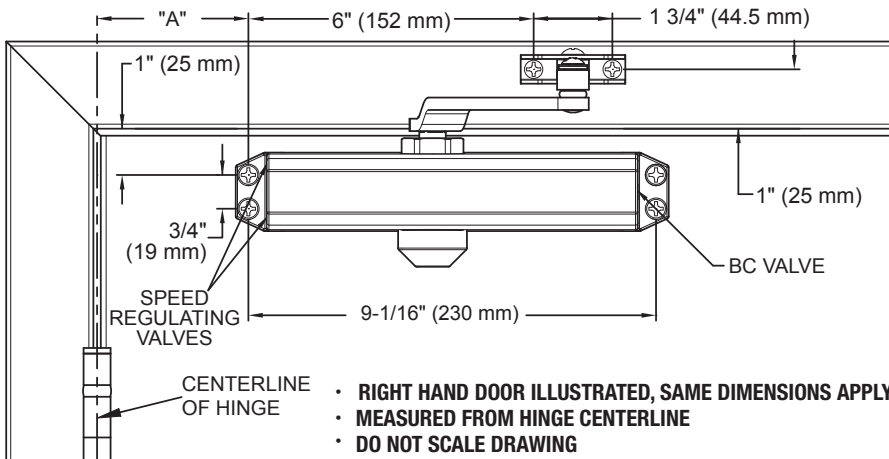




# REGULAR ARM INSTALLATION

999-30013

## MODEL UH4031 or UH4032 INSTALLATION INSTRUCTIONS



- RIGHT HAND DOOR ILLUSTRATED, SAME DIMENSIONS APPLY TO LEFT HAND DOOR
- MEASURED FROM HINGE CENTERLINE
- DO NOT SCALE DRAWING

DIMENSION "A"		OPENING ANGLE	DOOR WIDTH		CLOSER SIZE	CW TURNS OF POWER ADJUSTMENT SCREW
INCHES	mm		INTERIOR	EXTERIOR		
7	178	TO 100°	UP TO 54"	UP TO 42"	5	12
					4	6
					3	0
6	152	TO 120°	UP TO 48"	UP TO 36"	4	12
					3	6
					2	0
3-1/2	89	TO 180°	UP TO 38"	UP TO 30"	3	12
					2	6
					♿	0

\*DOOR/WALL/HARDWARE/JAMB CONDITIONS PERMITTING

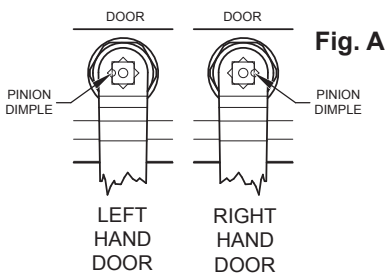
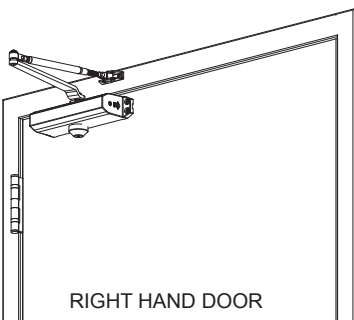
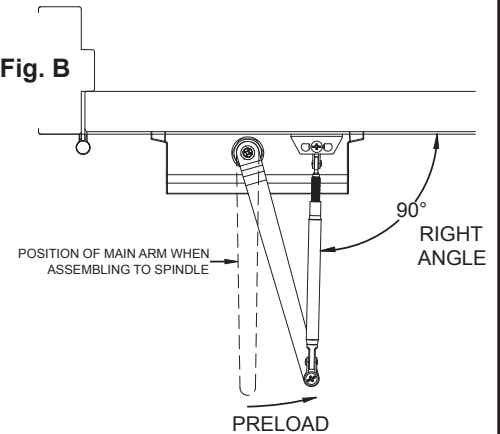


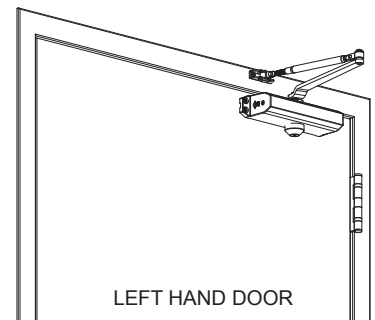
Fig. A

1. SELECT DEGREE OF DOOR OPENING. USE DIMENSIONS SHOWN IN CHART AND ILLUSTRATIONS ABOVE TO MARK LOCATION OF ATTACHING SCREWS ON THE DOOR AND FRAME. PREPARE HOLES (See Preparation For Fasteners chart page 1).
2. DISASSEMBLE FOREARM FROM MAIN ARM BY REMOVING ELBOW WASHERS AND SCREW.
3. MOUNT MAIN ARM ONTO CLOSER PINION SHAFT, ALIGNING PINION DIMPLE (see Fig. A.). SECURE WITH MAIN ARM SCREW AND WASHER.
4. ATTACH CLOSER TO THE DOOR WITH THE SPEED REGULATING VALVES FACING THE HINGE SIDE OF DOOR.
5. ATTACH THE FOOT OF THE FOREARM TO THE FRAME.
6. ADJUST THE LENGTH OF THE FOREARM TO POSITION THE FOREARM AT A RIGHT ANGLE TO THE FRAME TO ENSURE PROPER PRELOAD (see Fig. B).
7. REATTACH MAIN ARM AND FOREARM USING ELBOW SCREW AND WASHERS. TIGHTEN LOCKNUT ON FOREARM.
8. SNAP PINION CAP ONTO THE PINION AT THE BOTTOM OF THE CLOSER.
9. ADJUST CLOSER (refer to Speed and Power Adjustment charts on page 1).

Fig. B



RIGHT HAND DOOR

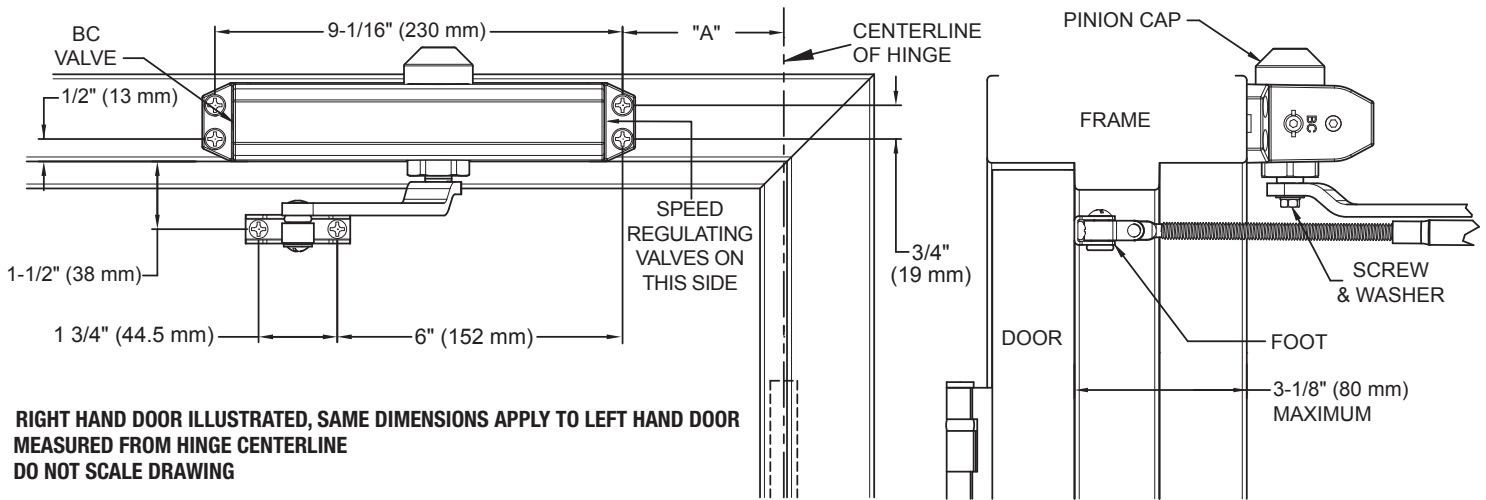


LEFT HAND DOOR

# TOP JAMB INSTALLATION

## MODEL UH4031 or UH4032 INSTALLATION INSTRUCTIONS

999-30013

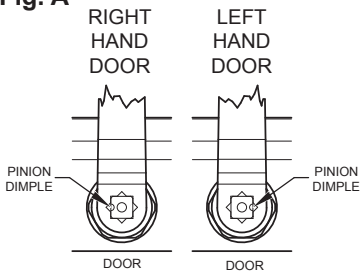


- RIGHT HAND DOOR ILLUSTRATED, SAME DIMENSIONS APPLY TO LEFT HAND DOOR
- MEASURED FROM HINGE CENTERLINE
- DO NOT SCALE DRAWING

DIMENSION "A"		OPENING ANGLE	DOOR WIDTH		CLOSER SIZE	CW TURNS OF POWER ADJUSTMENT SCREW
INCHES	mm		INTERIOR	EXTERIOR		
7	178	TO 100°	UP TO 54"	UP TO 42"	5	12
					4	6
					3	0
6	152	TO 120°	UP TO 48"	UP TO 36"	4	12
					3	6
					2	0
3-1/2	89	TO 180°	UP TO 38"	UP TO 30"	3	12
					2	6
					♿	0

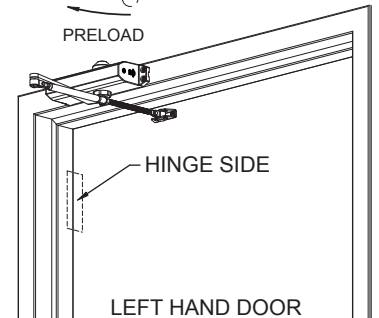
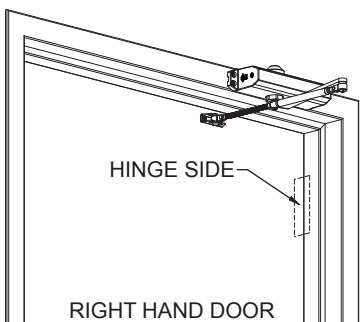
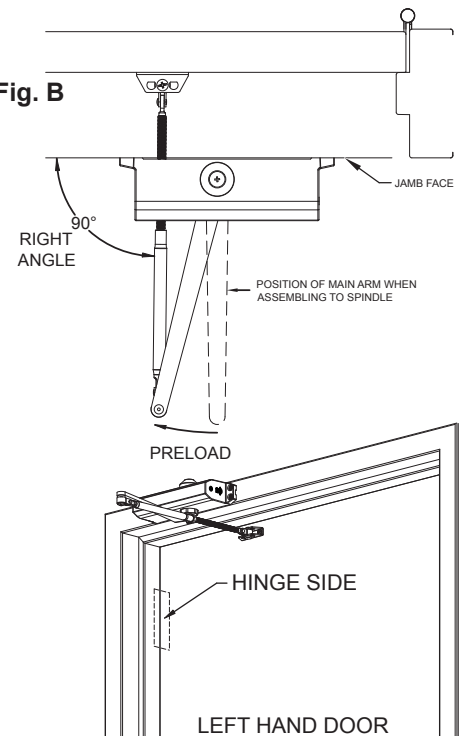
\*DOOR/WALL/HARDWARE/JAMB CONDITIONS PERMITTING

Fig. A



1. SELECT DEGREE OF DOOR OPENING. USE DIMENSIONS SHOWN IN CHART AND ILLUSTRATIONS ABOVE TO MARK LOCATION OF ATTACHING SCREWS ON THE DOOR AND FRAME. PREPARE HOLES (See Preparation For Fasteners chart page 1).
2. ATTACH CLOSER TO THE FRAME WITH SPEED REGULATING VALVES FACING THE HINGE.
3. DISASSEMBLE FOREARM FROM MAIN ARM BY REMOVING ELBOW WASHERS AND SCREW.
4. MOUNT MAIN ARM ONTO CLOSER PINION SHAFT, ALIGNING DIMPLE (see Fig. A.). SECURE WITH MAIN ARM SCREW AND WASHER.
5. ATTACH THE FOOT OF THE FOREARM TO THE DOOR.
6. ADJUST THE LENGTH OF THE FOREARM TO POSITION THE FOREARM AT A RIGHT ANGLE TO THE FRAME TO ENSURE PROPER PRELOAD (see Fig. B).
7. REATTACH MAIN ARM AND FOREARM USING ELBOW SCREW AND WASHERS. TIGHTEN LOCKNUT ON FOREARM.
8. SNAP PINION CAP ONTO THE PINION AT THE TOP OF THE CLOSER.
9. ADJUST CLOSER (refer to Speed and Power Adjustment charts on page 1).

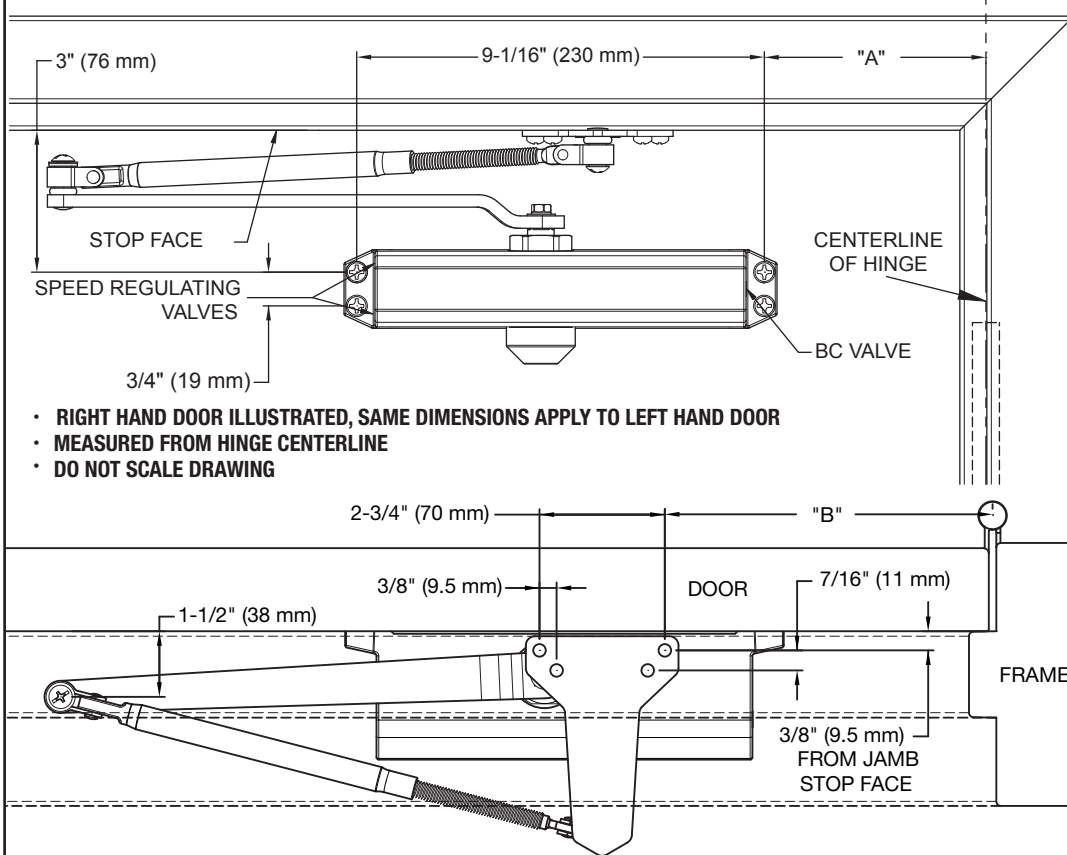
Fig. B



# PARALLEL ARM INSTALLATION

## MODEL UH4031 or UH4032 INSTALLATION INSTRUCTIONS

999-30013



- RIGHT HAND DOOR ILLUSTRATED, SAME DIMENSIONS APPLY TO LEFT HAND DOOR
- MEASURED FROM HINGE CENTERLINE
- DO NOT SCALE DRAWING

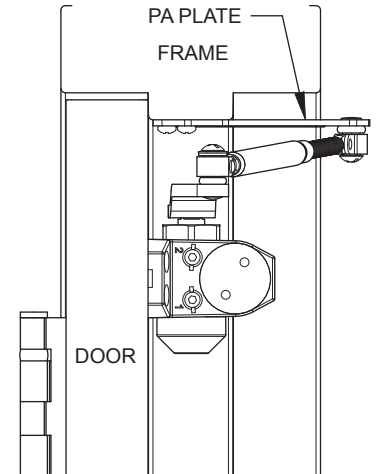
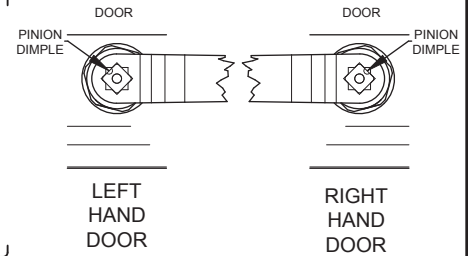


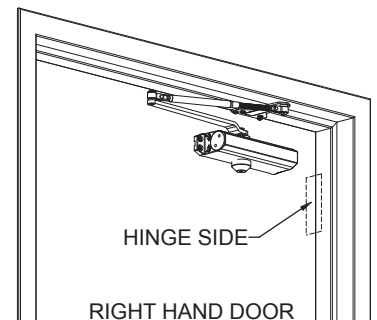
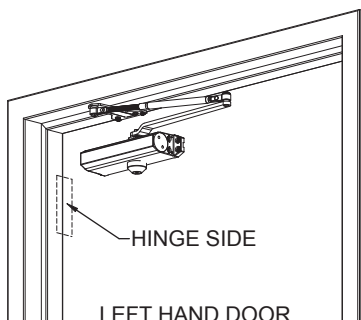
Fig. A



DIMENSION "A"		DIMENSION "B"		OPENING ANGLE	DOOR WIDTH		CLOSER SIZE	CW TURNS OF POWER ADJUSTMENT SCREW
INCHES	mm	INCHES	mm		INTERIOR	EXTERIOR		
7-5/8	194	9-1/4	235	TO 100°	UP TO 48"	UP TO 36"	4	12
							3	6
							2	0
6-1/8	156	7-3/4	197	TO 120°	UP TO 48"	UP TO 36"	4	12
							3	6
							2	0
4-1/8	105	5-3/4	146	TO 180°	UP TO 38"	UP TO 30"	3	12
							2	6
							♿	0

\*DOOR/WALL/HARDWARE/JAMB CONDITIONS PERMITTING

1. SELECT DEGREE OF DOOR OPENING. USE DIMENSIONS SHOWN IN CHART AND ILLUSTRATIONS ABOVE TO MARK LOCATION OF ATTACHING SCREWS ON THE DOOR AND FRAME. PREPARE HOLES (See Preparation For Fasteners chart page 1).
2. DISASSEMBLE FOREARM FROM MAIN ARM BY REMOVING ELBOW WASHERS AND SCREW.
3. REMOVE THE FOOT FROM THE FOREARM AND DISCARD. Note: DO NOT DISCARD SCREW, WILL NEED IT IN STEP 7.
4. ATTACH CLOSER TO THE DOOR WITH SPEED REGULATING VALVES FACING THE DOOR OPENING.
5. ATTACH THE PA PLATE TO THE TOP FRAME AS SHOWN IN DIAGRAM.
6. BEFORE INSTALLING THE ARM ON THE PINION SHAFT, ROTATE THE PINION WITH A WRENCH 45° TOWARDS THE HINGE EDGE OF THE DOOR TO ALIGN DIMPLE IN SPINDLE TO MAIN ARM (see Fig. A). FASTEN WITH MAIN ARM SCREW AND WASHER.
7. FASTEN FOREARM TO THE PA PLATE, USING THE SCREW THAT WAS REMOVED FROM THE FOOT IN STEP 3 AND PA SHOE WASHER INCLUDED IN SCREW PACK.
8. WITH THE DOOR CLOSED, ADJUST THE FOREARM LENGTH TO SET ARM ELBOW ABOUT 1-1/2" [38mm] FROM THE DOOR WHEN CONNECTED TO THE MAIN ARM. USE WASHERS AND SCREW PROVIDED TO SECURE THE PIVOT CONNECTION. TIGHTEN LOCKNUT.
9. SNAP PINION CAP ONTO THE PINION AT THE BOTTOM OF THE CLOSER.
10. ADJUST CLOSER (refer to Speed and Power Adjustment chart on page 1).



FOR CUSTOMER CARE CALL TOLL FREE: 800-562-5625 OR [info@hamptonproducts.com](mailto:info@hamptonproducts.com)



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HARDWARE**®

The Professional's Choice

Available exclusively at



## DOOR CLOSER SELECTION GUIDE

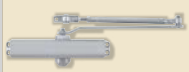


# How to Select A Door Closer

## COMMERCIAL CLOSERS



**UH4061/SKU# 666436**  
Aluminum Finish  
**UH4062/SKU# 1001849788**  
Bronze Finish  
**UH4063/SKU# 1008626501**  
Matte Black Finish



**UH4031/SKU# 666064**  
Aluminum Finish  
**UH4032/SKU# 666097**  
Bronze Finish  
**UH4033/SKU# 1008626498**  
Matte Black Finish



**UH4051/SKU# 666472**  
Aluminum Finish  
**UH4052/SKU# 666498**  
Bronze Finish  
**UH4053/SKU# 1008626563**  
Matte Black Finish

Description		All-In-One Heavy Duty Commercial Door Closer	Heavy Duty Commercial Door Closer	Medium Duty Commercial Door Closer
Replacement or New Install		Replacement or New Installation	Replacement or New Installation	Replacement or New Installation
Mounting	Standard (Pull)	✓	✓	✓
	Top Jamb (Push)	✓	✓	✓
	Parallel Arm (Push)	✓	✓	✓
	Finishes	Aluminum / Bronze / Matte Black	Aluminum / Bronze / Matte Black	Aluminum / Bronze / Matte Black
	Hold Open Engagement	N/A	N/A	N/A
Specs	Traffic Level	High	High	Medium
	Body Material	Aluminum	Aluminum	Aluminum
	Adjustability	Adjustable closing, latching and backcheck speeds	Adjustable closing, latching and backcheck speeds	Adjustable closing and latching speeds
	ADA Compliant	✓	✓	N/A
	Warranty	10 Year Limited	10 Year Limited	10 Year Limited
	UL 10C	3-Hour Fire	3-Hour Fire	3-Hour Fire
	ANSI Grade	Grade 1	Grade 1	
	Closer Size	Adjustable 1 through 6	Adjustable 1 through 5	3
	Opening Range	180°	180°	180°
	Exterior Door Size	Up to 48"	Up to 42"	Up to 30"
Interior Door Size	Up to 60"	Up to 54"	Up to 38"	

# How to Select A Door Closer

## RESIDENTIAL CLOSERS



UH4007/SKU# 1006601943



UH4008/SKU# 1006601944



UH4009/SKU# 1007012002



UH4010/SKU# 1006908689

	<b>Description</b>	Heavy Duty Residential Door Closer	Light Duty Residential Hold Open Door Closer
	<b>Replacement or New Install</b>	Replacement or New Installation	Replacement or New Installation
<b>Mounting</b>	<b>Standard (Pull)</b>	✓	N/A
	<b>Top Jamb (Push)</b>	✓	N/A
	<b>Parallel Arm (Push)</b>	N/A	✓
	<b>Finishes</b>	White / Matte Black	White / Matte Black
	<b>Hold Open Engagement</b>	N/A	80°
<b>Specs</b>	<b>Traffic Level</b>	Medium	Low
	<b>Body Material</b>	Aluminum	Aluminum
	<b>Adjustability</b>	Adjustable closing speed	Adjustable closing speed
	<b>ADA Compliant</b>	N/A	✓
	<b>Warranty</b>	5 Year Limited	5 Year Limited
	<b>UL 10C</b>	3-Hour Fire	N/A
	<b>Closer Size</b>	3	1
	<b>Opening Range</b>	155°	180°
	<b>Exterior Door Size</b>	Up to 30"	N/A
	<b>Interior Door Size</b>	Up to 38"	Up to 30"

# COMMERCIAL DOOR CLOSER

**HEAVY DUTY**



ADA  
COMPLIANT



3 HOUR  
FIRE  
RATED

**10** YEAR LIMITED  
WARRANTY



## Heavy Duty All-In-One Door Closer

The **BEST Choice** for Door  
Closer Replacement and  
Retrofit Applications

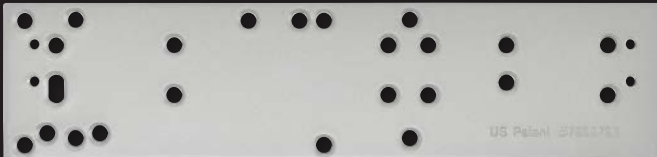
- UH4061 (Store SKU# 666436) – Aluminum Finish
- UH4062 (Store SKU#1001849788) – Bronze Finish
- UH4063 (Store SKU# 1008626501) – Matte Black Finish

**ADJUSTABLE  
SIZE 1-6**

The Heavy-Duty All-In-One Door Closer is Universal Hardware's most robust and user-friendly door closer. It comes equipped with a patented universal mounting plate that's predrilled to match the hole pattern for nearly any closer in the market. This allows you to easily replace almost any closer without needing to drill new holes in an expensive or fire rated door. Popular closers that can easily be replaced include:

- LCN 4041
- Falcon SC71
- Tell Manufacturing 600 Series
- Corbin-Russwin DC3200 Series

**UNIVERSAL MOUNTING PLATE FITS MOST PREDRILLED HOLES**



**NO NEED TO DRILL NEW HOLES**

# COMMERCIAL DOOR CLOSER

## HEAVY DUTY

Easily replace these common closers and more  
with our universal mounting plate!

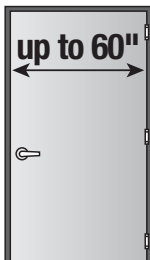


*Innovative universal mounting plate fits most installations (U.S. Pat. No. 7,698,796)*

The All-In-One Closer is designed to meet the needs of heavy use and abuse in interior or exterior applications.

- ANSI/BHMA Grade 1
- Non-handed/ reversible
- Adjustable sizing 1-6
- UL Listed/3-hour fire rating
- Aluminum closer body
- ADA compliant
- Adjustable closing, latching and backcheck
- Parallel, standard or top jamb mounting

### INTERIOR



### EXTERIOR



Make your install a breeze and avoid the guesswork. Scan this QR code for step-by-step instructions on how to install your new Universal Hardware door closer!





# Built To Fit Your Needs

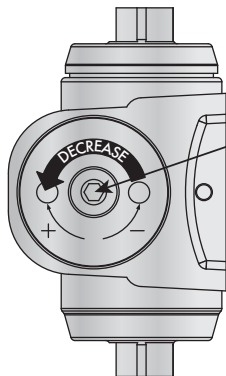
## Adjustable Power

The All-In-One Closer is fully adjustable from Size 1-6 to fit whatever size door you have, with a maximum door weight of 250 lbs.

### EXTERIOR (and VESTIBULE) DOOR WIDTH –Min. Door Width (24")



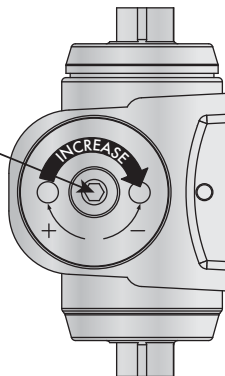
### INTERIOR DOOR WIDTH –Min. Door Width (24")



### CLOSING POWER ADJUSTMENT NUT

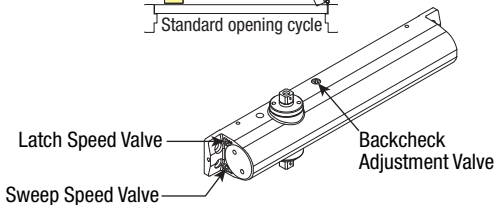
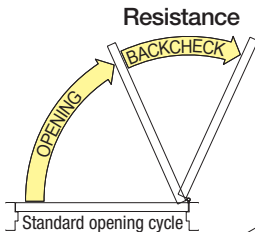
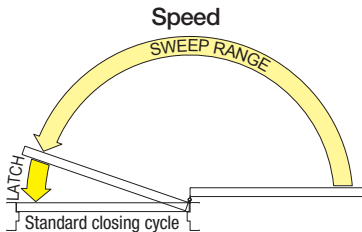
To decrease closing power, turn nut counter-clockwise.

To increase closing power, turn nut clockwise.



# Built To Fit Your Needs

## Adjustable Latch, Sweep and Backcheck



## Installation Methods

### STANDARD MOUNT



- Most common installation
- Mounted on pull side of door
- Closer body mounted to top of door and closer arm to face of frame head
- Not recommended when aesthetics are a concern

### PARALLEL MOUNT



- Mounted on push side of door
- Closer body mounted to door and closer arm to soffit at frame
- Best method when aesthetics are important
- Best for schools or high-traffic areas to prevent pulling or hanging on closer arm

### TOP JAMB MOUNT



- Mounted on push side of door
- Closer body mounted to frame head and arm onto the door
- Recommended when top rail of door is narrow
- More aesthetically pleasing than closer body on the door

# COMMERCIAL DOOR CLOSER

**MEDIUM DUTY**



3 HOUR  
FIRE  
RATED

**10**

YEAR LIMITED  
WARRANTY



The **BEST** Choice for **MEDIUM DUTY**  
New Installations

UH4051 (Store SKU# 666472) – Aluminum Finish

UH4052 (Store SKU#666498) – Bronze Finish

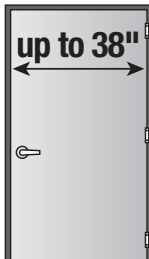
UH4053 (Store SKU# 1008626563) – Matte Black Finish

**SIZE 3**

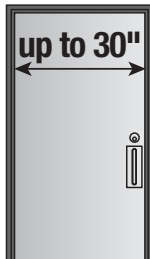
The medium duty door closer controls the traffic in and out of your space by automatically closing the door after each opening. This door closer is a perfect fit for **NEW** medium duty applications which includes:

- Left-handed doors (hinges on left if facing push side of door)
- Right-handed doors (hinges on right if facing push side of door)
- Wood or metal doors
- 125 lbs. Maximum door weight
- 180 degree opening range
- Adjustable sweep and latch speeds
- Standard, parallel or top jamb applicable

**INTERIOR**



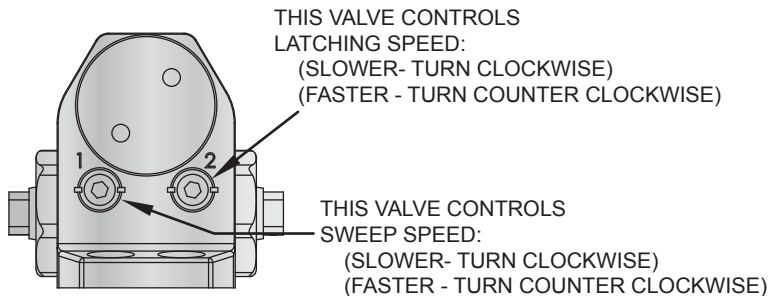
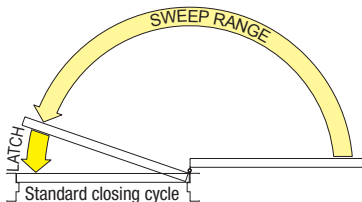
**EXTERIOR**



# COMMERCIAL DOOR CLOSER

## MEDIUM DUTY

Easily adjustable latch and sweep speeds!



Make your install a breeze and avoid the guesswork. Scan this QR code for step-by-step instructions on how to install your new Universal Hardware door closer!



# COMMERCIAL DOOR CLOSER

**HEAVY DUTY**



ADA  
COMPLIANT



3 HOUR  
FIRE  
RATED

**10** YEAR LIMITED  
WARRANTY



The **BEST Choice** for **HEAVY DUTY**  
New Installations

**UH4031 (Store SKU# 666064) – Aluminum Finish**

**UH4032 (Store SKU# 666097) – Bronze Finish**

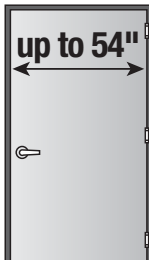
**UH4033 (Store SKU# 1008626498) – Matte Black Finish**

**ADJUSTABLE  
SIZE 1-5**

The heavy duty door closer controls the traffic in and out of your space by automatically closing the door after each opening. This door closer is a perfect choice for **NEW**, heavy duty applications which includes:

- Left-handed doors (hinges on left if facing push side of door)
- Right-handed doors (hinges on right if facing push side of door)
- Wood or metal doors
- 200 lbs. Maximum door weight
- 180 degree opening range
- Adjustable sweep and latch speeds
- Adjustable backcheck
- Standard, parallel or top jamb applicable

**INTERIOR**



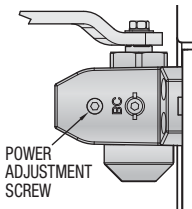
**EXTERIOR**



# COMMERCIAL DOOR CLOSER

## HEAVY DUTY

Dial in sizing for your door using the power adjustment screw!



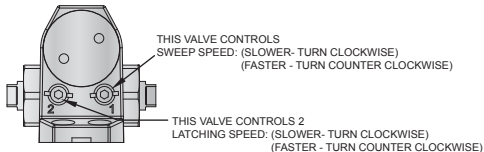
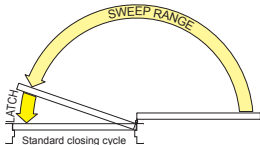
### EXTERIOR (and VESTIBULE) DOOR WIDTH –Min. Door Width (24")

24"	30"	36"	42"	
REGULAR ARM, TOP JAMB, and PARALLEL ARM		SIZE 3	SIZE 4	SIZE 5

### INTERIOR DOOR WIDTH –Min. Door Width (24")

24"	30"	34"	38"	48"	54"	
REGULAR ARM, TOP JAMB, and PARALLEL ARM		SIZE 1	SIZE 2	SIZE 3	SIZE 4	SIZE 5

Easily adjustable latch and sweep speeds!



Make your install a breeze and avoid the guesswork. Scan this QR code for step-by-step instructions on how to install your new Universal Hardware door closer!



# RESIDENTIAL DOOR CLOSER

## LIGHT DUTY



ADA  
COMPLIANT



The **BEST** Choice for **LIGHT DUTY**  
New Residential Installations

UH4009 (Store SKU# 1007012002) – White Finish

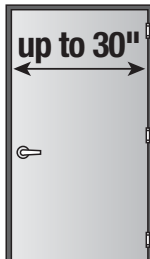
UH4010 (Store SKU# 1006908689) – Black Finish

**SIZE 1**

The light duty residential door closer is a great choice for new installations on interior doors. These are doors such as bedrooms, offices, closets, or storage room doors:

- Left-handed doors (hinges on left if facing push side of door)
- Right-handed doors (hinges on right if facing push side of door)
- Must be installed on PUSH side of the door only
- Wood or metal doors
- Doors weighing less than 100 lbs.
- 180 degree opening range with hold-open feature at 80 degrees
- Adjustable sweep speed
- Parallel mount applications only

**INTERIOR**



### PARALLEL MOUNT



# RESIDENTIAL DOOR CLOSER

## LIGHT DUTY

Parallel mount with 2 different options:

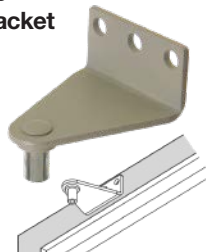
*For use on bottom of  
the door jamb:*

**“P” Bracket**



*For use on the vertical frame surface if there is  
not enough room on the bottom of the door jamb:*

**“L” Bracket**



Adjustable closer speed capability:



Scan the QR code below for  
step-by-step instructions on  
how to install your new  
Universal Hardware light  
duty residential door closer!





# RESIDENTIAL DOOR CLOSER

**HEAVY DUTY**



**3 HOUR  
FIRE  
RATED**



**The BEST Choice for HEAVY DUTY  
New Residential Installations**

**UH4007 (Store SKU# 1006601943) – White Finish**

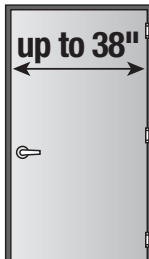
**UH4008 (Store SKU# 1006601944) – Black Finish**

**SIZE 3**

The heavy duty residential door closer is a great choice for new installations on interior or exterior doors. These are doors such as bedrooms, restrooms, offices, storage rooms or garage access doors.

- Left-handed doors (hinges on left if facing push side of door)
- Right-handed doors (hinges on right if facing push side of door)
- Wood or metal doors
- 125 lbs. Maximum door weight
- 155 degree opening range
- Adjustable sweep speed
- Standard or top jamb applications only

**INTERIOR**



**EXTERIOR**



# RESIDENTIAL DOOR CLOSER

## HEAVY DUTY

### Installation Methods:

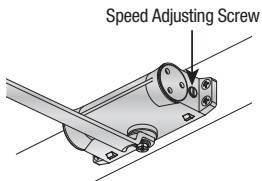
*For inward swinging doors:*



*For outward swinging doors:*



### Adjustable closer speed capability:



Scan the QR code below for step-by-step instructions on how to install your new Universal Hardware heavy duty residential door closer!



# True Commercial Door Hardware



**UNIVERSAL  
HARDWARE**®

The Professional's Choice



50 Icon, Foothill Ranch, CA 92610-3000  
Customer Support: 866-LOCK-PRO (866-562-5776)  
[www.universalhardware.com](http://www.universalhardware.com)  
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86000-00005\_REVA 10/22



H2004 Feathersmooth, H2015 Warm Cocoa, H2026 Wildberry, H2028 Bergamot



Medintone™  
Homogeneous Sheet



H2011 Ginger

# Designs Encourage Comfort, Happiness & Healing

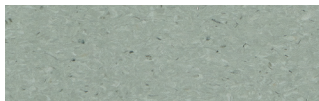
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Medintone™ is engineered for spaces demanding superior infection control, helping to protect the health and well-being of occupants in healing and learning environments.

The durability and cleanability of Medintone works in harmony with a color palette inspired by nature. From calming blues and greens, to soothing neutrals and golden tones, Medintone offers boundless opportunities for design that encourages comfort, happiness, and healing.



H2003 Sea Salt, H2029 Aegean Blue



H2013 Cool Evening WN106



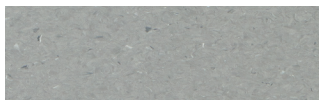
H2031 Jasmine Bloom WH231



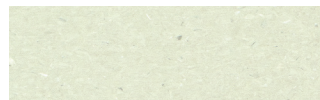
H2004 Feathersmoth WH203



H2003 Sea Salt WH202



H2009 Haze Gray WH208



H2002 Almond Tea WH201



H2010 Savannah Balm WE115



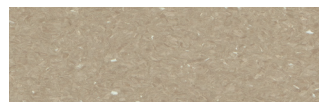
H2001 Cocomilk WG110



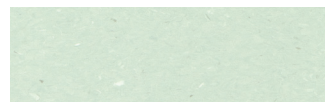
H2006 Calming Gray WN108



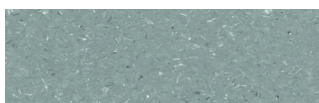
H2007 Moonlight WH206



H2011 Ginger WG115



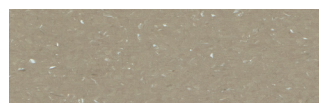
H2027 Cedar WH225



H2014 Zephyr WH212



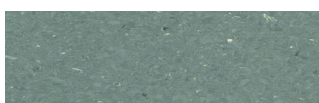
H2008 Herbal Gray WH232



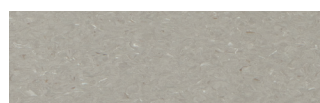
H2015 Warm Cocoa WH213



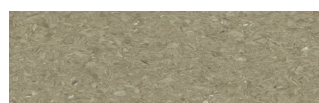
H2005 Healing Sage WH204



H2017 Rich Gray WH215



H2012 Talisman WN105



H2016 Comforting Brown WH214



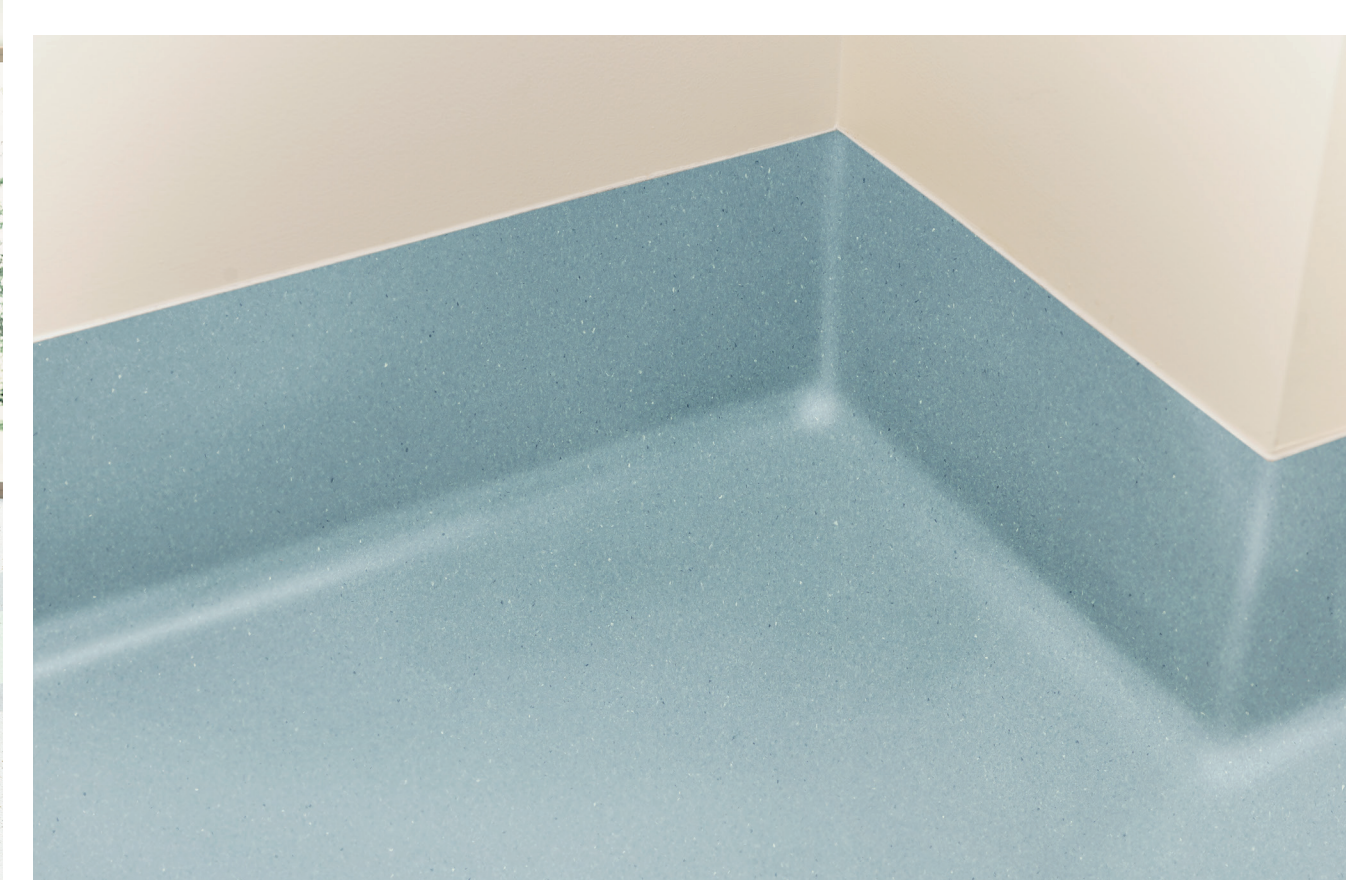
H2006 Calming Gray, H2027 Cedar, Natralis: 70001 White Rim

# Building Better

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We share your commitment to transparency and building a better environment together.

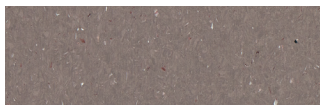
- Low VOC emissions and FloorScore® certified
- Free of Ortho-phthalates and heavy metals
- Health Product Declaration (HPD) and third-party certified Environmental Product Declaration (EPD) available



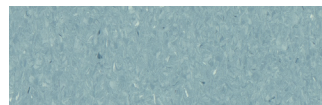
H2018 Tranquil Breeze



Superior infection control with heat welded seams for spaces demanding enhanced sterilization.



H2026 Wildberry WH224



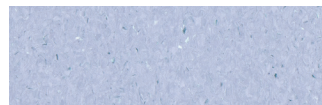
H2018 Tranquil Breeze WG117



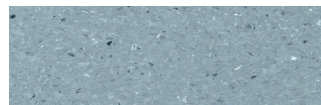
H2028 Bergamot WH226



H2023 Lemon Balm WH221



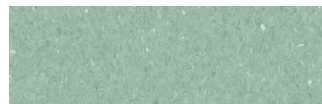
H2025 Lavendula WH223



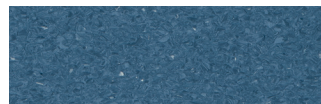
H2029 Aegean Blue WH227



H2024 Tangelo WH222



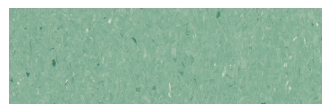
H2030 Gotu Kola WH228



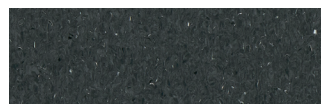
H2019 Quiet Night WH217



H2021 Canyon Blaze WH219



H2020 Sea Glass WH238



H2022 Raven WH220

**Medintone™** provides pop colors to provide a playful palette that makes it easy to incorporate branding, school colors, and wayfinding elements.





# Diamond 10<sup>®</sup> Technology

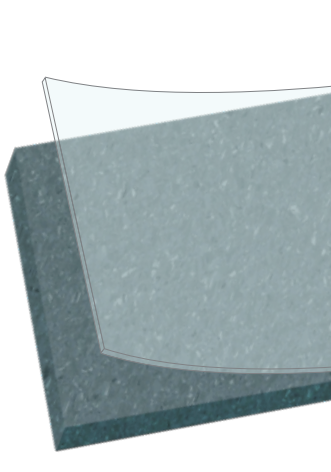
---

Diamond 10 Technology coating provides the ultimate scratch, stain, and scuff resistance. It's a no-polish, easy-to-clean solution that is designed to look beautiful for years to come, despite daily maintenance and rigorous disinfection protocols.

- Protects against scratches, stains, and scuffs for floors that look newer, longer
- Offers ease of maintenance – no polishing, stripping, or restorative maintenance required



H2025 Lavendula, H2023 Lemon Balm, H2031 Jasmine Bloom



1. Diamond 10® Technology
2. Through Pattern Wear Layer

### **10 Year Commercial Limited Warranty**

Supported by a 10 Year Commercial Warranty. Add 10 years of overall warranty coverage by using Strong System™ subfloor preparation products. Visit [armstrongflooring.com](http://armstrongflooring.com) for more information.

## Product Information

**Construction** - Homogeneous Sheet

**International Specifications** - ASTM F1913

**Overall Thickness** - 0.08 in. (2.0 mm)

**Wear Layer Thickness** - 0.08 in. (2.0 mm)

**Size** - Up to 65.62 ft (20 m) 6.5 ft. (1.98 m)

**Factory Finish** - Diamond 10® Technology

**Installation** - Full Spread Adhesive: S-995

Seams: Heat Weld or S-761 Seam Adhesive

**Maintenance Options** - No Polish - No Buff, Polish Optional

Shade may vary from sample.

---

# ArmstrongFlooring™

Walk On. Walk Strong.™

 **Diamond 10  
Technology™**



**Visit ArmstrongFlooring.com**

for complete Product, Technical,  
Adhesives, Installation and  
Maintenance recommendations.

**Print#: AF-1056-724**

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FloorScore® is a registered trademark of the Resilient Floor Covering Institute. | Well Building Standard® is a registered trademark of the International Well Building Institute.™

### Product Information

**Construction** - Homogeneous

**International Specifications** - ASTM F1913

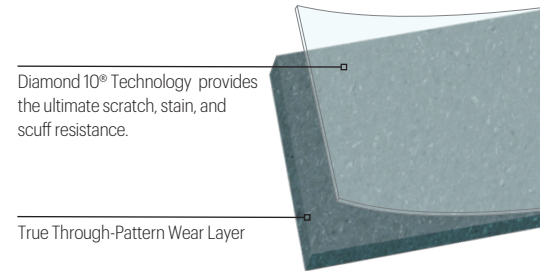
**Overall Thickness** - 0.08 in. (2.0 mm)

**Wear Layer Thickness** - 0.08 in. (2.0 mm)

**Factory Finish** - Diamond 10® Technology

**Installation** - Full-Spread Adhesives: S-995, Seams: Heat Weld or S-763 Seam Adhesive

**Maintenance Options** - No Polish - No Buff, Polish Optional



### Packaging

Roll Length	Roll Width	Shipping Weight per Roll
Up to 65.62 ft. (20 m)	6.5 ft. (1.98 m)	Approx. 247 lbs./sq. yd. (112 kg/m <sup>2</sup> )

### Testing

ASTM F1913			
Performance	Test Method	Requirement	Performance vs. Requirement
Thickness	ASTM F386	≥ 0.076 in.	Meets
Residual Indentation	ASTM F1914	≤ 0.005 in.	Meets
Resistance to Chemicals	ASTM F925	No more than slight change in surface dulling, attack or staining	Meets
Resistance to Heat	ASTM F1514	ΔE ≤ 8	Meets
Resistance to Light	ASTM F1515	ΔE ≤ 8	Meets
Static Load Resistance @ 250	ASTM F970	≤ 0.005 in.	Meets
Flexibility	ASTM F137	No cracks/breaks (1.5 in. / 38 mm Mandrel)	Meets
Additional Testing			
Fire Test Data – Flame Spread	ASTM E648	0.45 W/cm <sup>2</sup> or more Class 1	Meets
Fire Test Data – Smoke Evolution	ASTM E662	450 or less	Meets
Fire Test Data – Canada	CAN\ULC S-102.2	Use dependent	Flame Spread - 0 Smoke Developed - 75
Static Load Resistance	ASTM F970*	< 0.005 in.	1800 psi
Fungal Resistance	ASTM F21	-	No Fungal Growth
Bacteria Resistance	ISO 846: PART C	-	No Observed Growth
ADA Standards for Accessible Design	CHAPTER 3 SECTION 302.1	Floor surfaces shall be stable, firm and slip-resistant	Meets
Antistatic Properties	ANSI ESD STM97.2	≤ 2.0 kV	Meets (antistatic)
Static Coefficient of Friction**	ASTM D2047/UL 410	≥ 0.5	Meets

### Sustainability

#### WELL v1

	Feature	Contribution
<b>Air</b>	Feature 04 - VOC Reduction	Tested and third party certified by FloorScore® as complying with CDPH v1.2
	Feature 11 - Fundamental Material Safety	Product is free of asbestos and added lead (Part 1)
	Feature 25 - Toxic Material Reduction	Free of flame retardants (Part 2) and phthalates (Part 3)
<b>Mind</b>	Feature 97 - Material Transparency	Readily available Health Product Declaration® (HPD) to 1000 ppm
	Feature 88 (Part 2) Biophilia I - Qualitative	Products available that incorporate nature patterns
	Feature 99 - Beauty and Design II	Provided patterns and colors to aid in wayfinding and spatial familiarity (Part 3)

#### WELL v2

Concept	Feature	Part	Comments
<b>Materials</b>	Feature X01 Material Restrictions	Part 1(a): Restrict Asbestos	Medintone does not contain asbestos and thus complies with this prerequisite for resilient flooring.
	Feature X05 Enhanced Material Restrictions	Part 2(a): Select Compliant Architectural and Interior Products	Medintone does not contain flame retardants, PFAs, or orthophthalates.
	Feature X06 VOC Restrictions	Part 2(a): Restrict VOC Emissions from Furniture, Architectural and Interior Products	Medintone is FloorScore certified and thus meets the requirements of CDPH Standard Method v1.2-2017.
<b>Mind</b>	Feature X07 Material Transparency	Part 1(a)(b): Select Products with Disclosed Ingredients	Material ingredients for Medintone collections have been disclosed in the form of Declare Labels and/or HPDs.
	Feature M02.1 Nature and Place	-	Products available that incorporate nature patterns
<b>Community</b>	Feature C13 (Part 2) Accessibility and Universal Design	-	Provided patterns and colors to aid in wayfinding and spatial familiarity

#### LEED™ v4.1

Category	Prereq/Credits	Description	Comments
Material & Resources	BPDO - EPD	Building Product Disclosure and Optimization - Material Ingredients (Option 1)	Material ingredients for Medintone has been disclosed in the form of Declare Labels and/or Health Product Declarations (HPDs).
Community	BPDO - EPD	Low-Emitting Materials: Flooring	Medintone is FloorScore® certified and thus meets the requirements of CDPH Standard Method v1.2-2017
BPDO – EPD	Product Specific	-	Product Specific
Location of Manufacturer	-	-	Korea
SCAQMD #1168 Compliant.	S-995 – 0 g/L	-	S-995 – 0 g/L
	S-580 – 0 g/L	-	S-580 – 0 g/L

#### Carbon Footprint

Global Warming Potential, excluding Biogenic Carbon	0.05 Kg CO <sup>2</sup> eq. / square foot
Raw Materials (A1) through Production (A3)	(3.58 Kg CO <sup>2</sup> eq. / square meter)

### Limited Warranty

10-year Commercial Warranty when installed in strict accordance with the detailed instructions.  
Add 10 years of overall warranty coverage by using Strong System™ subfloor preparation products.

#### AF-1055-1124

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FloorScore® is a registered trademark of the Resilient Floor Covering Institute. | LEED® is a registered trademark of the United States Green Building Council.  
The Health Product Declaration® logo is a registered trademark of HPD Collaborative.

\*Testing at loads above 250 psi is outside the scope of the test method. Since testing is conducted on uninstalled flooring, results do not consider the performance of the adhesive, underlayment, or subfloor. These test results are not an indicator of the installed flooring system performance.\*\* Using the James Machine as described in D2047 and as directed in UL 410 for floor covering materials (FCM) using a leather foot under dry conditions. The application of site-applied floor sealers, polishes and other types of finishes routinely used to maintain resilient flooring materials will change the walking surface and consequently the SCOF value.

# CONSTRUCT Series

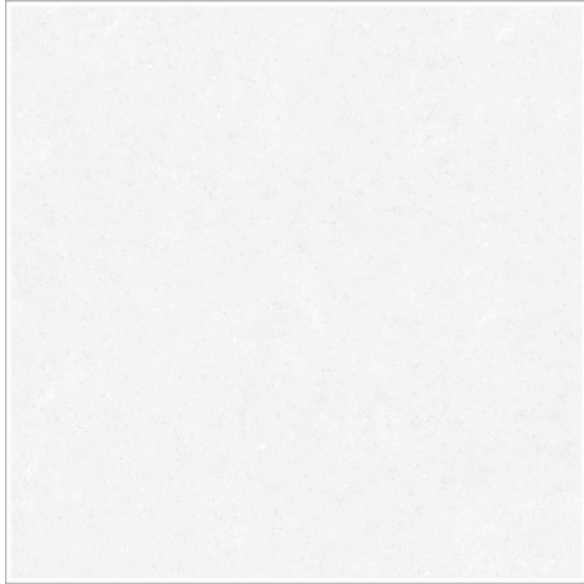
**MONOCOTTURA**

**GLAZED WALL**



## CONSTRUCT SERIES

Glazed Monocottura 12" x 12" Matte



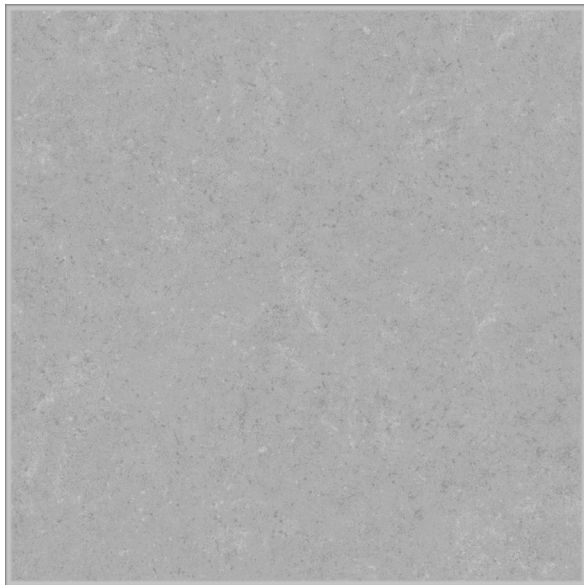
### WHITE

30 x 30 cm (11.81" x 11.81")  
TH.CT.WHT.1212.MT



### LIGHT GREY

30 x 30 cm (11.81" x 11.81")  
TH.CT.LGR.1212.MT.N



### DARK GREY

30 x 30 cm (11.81" x 11.81")  
TH.CT.DGR.1212.MT.N

**All items shown in this document are part of Olympia's stocking program.** For special orders, please contact your Olympia Tile Sales Representative.

## CONSTRUCT SERIES

### Glazed Wall 8" x 12" Glossy



#### WHITE

20 x 30 cm (7.87" x 11.81")  
TH.CT.WHT.0812.GL



#### LIGHT GREY

20 x 30 cm (7.87" x 11.81")  
TH.CT.LGR.0812.GL



#### DARK GREY

20 x 30 cm (7.87" x 11.81")  
TH.CT.DGR.0812.GL

**All items shown in this document are part of Olympia's stocking program.** For special orders, please contact your Olympia Tile Sales Representative.



# CONSTRUCT SERIES

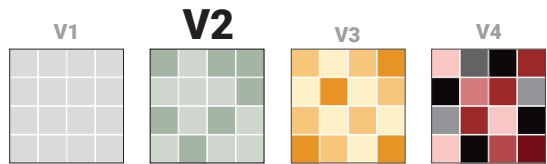
## Glazed Monocottura

Tests Performed -- Results Conform

Test	Standard Used	Min. Requirements < 7.5 mm thickness	Results
Water Absorption	ISO 10545-3	3.0% < Eb ≤ 6%	Conforms
Bending / Breaking Strength	ISO 10545-4	> 600N	Conforms
Chemical Resistance	ISO 10545-13	min. UB	Conforms
Stain Resistance	ISO 10545-14	≥ Class 3	Conforms

Technical data is supplied by the manufacturer and is subject to change at any time. Olympia does not provide warranties as to the specifications of any product.

### Colour Variation



### Member



Member of Canada Green Building Council



Member of U.S. Green Building Council



Ceramic Tile Distributors of America (CTDA)



Marble Institute of America

For information concerning LEED, please contact our Sales Representative

### Examples of Recommended Applications

Residential



Commercial



Indoor



Wall



Residential Floor only



### Packing Details

TILE SIZE	PC/BOX	SF/BOX	LB/BOX	BOX/PAL
12" x 12" Matte	11	10.76	31.24	108
8" x 12" Glossy	16	10.32	26.24	96

PRODUCT	WALL APPLICATION		MONOCOTTURA FLOOR	
	Interior	Exterior	Interior	Exterior
<b>TILE BOND COAT</b>	200 Ceramic Adhesive 66 FlexLite Mortar	n/a	50 PM Mortar 52 Versatile Mortar	n/a
<b>GROUT</b>	500 PM Unsanded Grout 1600 UPG	n/a	600 PM Sanded Grout 1600 UPG	n/a
<b>CAULKING</b>	UP Caulk - Unsanded	n/a	UP Caulk - Sanded	n/a

**SURFACE PREPARATION (If Required)**

- Floor levelling: 59 Flex Flo / 5900 Flex Flo Plus Self Levelling Underlayment
- Waterproofing: WP900 Waterproof Membrane
- Crack Isolation/Uncoupling: Flexilastic 1000 Crack Isolation Membrane / FlexMat Uncoupling Membrane

\* For a complete listing of FLEX TILE products and accessories including Sound Control, In-Floor Heating, and further setting options, please visit [www.flextile.net](http://www.flextile.net)



**“MORE” Surface Care Product Guide**

Task	Product Recommendation	Dilution with Water	Frequency
Grout Sealing	MORE™ Grout, Ceramic & Porcelain Sealer	Ready to use	Commercial: 1-3 Years Residential: 5-8 Years
Daily Maintenance	MORE™ Stone and Tile Cleaner	1 : 128 Ratio	Daily
Deep Cleaning	MORE™ Alkaline Cleaner	1 : 4 Ratio	As Needed
Grout Haze- Cementitious	MORE™ Acidic Cleaner	1 : 4 Ratio	As Needed
Grout Haze - Epoxy / Urethane	MORE™ Coating Stripper*	Ready to use	As Needed

\*Always test in an inconspicuous area to make sure the product is achieving the desired results and is not damaging the finish of the surface.





12" x 12" size in colours Dark Grey, Light Grey and White



8" x 12" size in colours Light Grey and White

## CONSTRUCT SERIES: MEF-205 (Combined Monocottura Floor Tiles + Gl. Wall Tiles)



Colour may vary slightly from images shown. It is highly recommended to view physical samples of tile prior to purchase. Note that shade variations between tiles is characteristic and adds to the inherent beauty of the product. Please visit a showroom near you or request a sample from your Olympia Tile Sales Representative.



It is Olympia Tile's policy to stock all items for sale. Should you require additional sizes, finishes or colours, Olympia has a Special Order Department to help find exactly what you are looking for. Please contact your Olympia Tile Sales Representative for more details. Note that minimum order quantities and longer lead times apply to all special order items.

## the olympiatile+stone® group

### OLYMPIA TILE + STONE INTERNATIONAL INC.

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Toll Free: 1 800 268 1613  
F: 416 785 9682

**VAUGHAN**  
100A Royal Group Crescent  
Ontario L4H 1X9  
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F: 905 266 0423

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Burnaby  
British Columbia V5C 5J6  
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Toll Free: 1 800 663 9441  
F: 604 294 0528

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Alberta T2G 3G8  
T: 403 287 1070  
Toll Free: 1 800 322 8182  
F: 403 243 1888

**EDMONTON**  
11540 - 163rd Street  
Alberta T5M 3T3  
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Toll Free: 1 800 619 4438  
F: 780 451 4391

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Manitoba R2X 2P8  
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Toll Free: 1 800 665 8017  
F: 204 632 4644

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Ontario N9A 6J3  
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F: 519 969 2407

**LONDON**  
234 Exeter Road  
Ontario N6L 1A3  
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Toll Free: 1 800 265 4690  
F: 519 652 5021

**HAMILTON**  
75 Milburn Road  
Ontario L8E 3A3  
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Toll Free: 1 800 263 1370  
F: 905 578 3593

**OTTAWA**  
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Ontario K1H 1E1  
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Toll Free: 1 800 267 1864  
F: 613 736 9563

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Ville St-Laurent,  
Quebec H4T 1X7  
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Toll Free: 1 800 361 1954  
F: 514 345 8825

**QUEBEC**  
2405 rue Watt  
Quebec G1P 3X2  
T: 418 657 5557  
Toll Free: 1 800 463 5516  
F: 418 657 6708

**HALIFAX**  
55 Akerley Boulevard  
Dartmouth, Nova Scotia  
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Toll Free: 1 800 565 7790  
F: 902 468 0011

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Vaughan, Ontario L4H 1X9  
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F: 905 266 0423

### OLYMPIA TILE (USA), INC.

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Tampa, Florida 33619  
T: 813 620 9000  
Toll Free: 1 800 785 9000  
F: 813 621 0606

10898-A Metro Parkway  
Fort Myers, Florida 33966  
T: 239 275 8288  
Toll Free: 1 800 785 8288  
F: 239 275 0116

2603 Ace Road  
Orlando, Florida 32804  
T: 407 293 3993  
Toll Free: 1 800 785 3993  
F: 407 293 1779

1808 Whitfield Ave.  
Sarasota, Florida 34243  
T: 941 727 7433  
Toll Free: 1 800 785 3484  
F: 941 727 7381

**IOWA KATE-LO TILE & STONE**  
4251 N.W. Urbandale Dr.  
Des Moines (Urbandale)  
Iowa 50322  
T: 515 270 4920  
Toll Free: 1 800 320 1387  
F: 515 270 7035

**NORTH DAKOTA KATE-LO TILE & STONE**  
Resource Centre  
300 Northern Pacific Ave.  
Suite 106  
Fargo, North Dakota 58102  
T: 701 478 8087  
F: 701 478 8084

**MICHIGAN BEAVER TILE & STONE**  
24700 Drake Rd.  
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Michigan 48335  
T: 248 476 2333  
Toll Free: 1 800 825 0551  
F: 248 476 4636

1700 Stutz Dr., Suite 101  
Detroit North (Troy)  
Michigan 48084  
T: 248 649 5552  
F: 248 649 0741

2780 Enterprise Ct.  
Saginaw, Michigan 48603  
T: 989 790 5851  
Toll Free: 1 800 797 0897  
F: 989 790 0311

13085 23 Mile Rd.  
Detroit East (Shelby Township)  
Michigan 48315  
T: 586 991 0780  
Toll Free: 1 800 889 5395  
F: 586 991 0784

1694 Gezon Parkway  
Grand Rapids, (Wyoming)  
Michigan 49509  
T: 616 534 2883  
Toll Free: 1 800 797 0727  
F: 616 534 4784

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