

# DATA SHEET

**Owner:** Department of State

**Architect:** EYP

**Contractor:** Caddell/Banes

**Subcontractor:** STS Spec 10 Sales, Inc.  
9810 Mula Road \*\*Stafford, TX 77477  
713-983-0011/ph.\*\*713-983-0111/fax

**Manufacturer:** JL Industries

**Specification No.** 10155

**Specification:** Toilet Compartments

**PART-1 GENERAL**

**MAXIMUM CEILING HEIGHT 9'0"  
MINIMUM CEILING HEIGHT 7'6"**

1.01 DESCRIPTION

- A. Steel compartment work includes the following:
  - 1. Ceiling hung partitions.
- B. Furnish all labor and materials necessary for the completion of work in this section as shown on the contract drawings and specified herein.
- C. Work in this section shall include but is not limited to:
  - 1. Toilet compartments
  - 2. Hardware for toilet compartments
  - 3. Shop drawings and working drawings
  - 4. Manufacturer's guarantee
- D. Related work specified elsewhere shall include accessories and anchorage/blocking for attachment of compartments.

1.02 PRODUCTS

- A. Submittal of shop drawings and details, for architects approval.
- B. Colors shall be selected from the manufacturer's standard range of colors.
- C. Color and hardware samples shall be submitted for approval to the architect upon request.

**PART-2 PRODUCTS**

2.01 MANUFACTURER

- A. Toilet compartments to be supplied by Global Partitions, Eastanollee, GA 30538.

2.02 MATERIALS

- A. Doors and panels shall be 1" thick, constructed of two sheets of 22-gauge galvanized stretcher-leveled quality steel formed and bonded under pressure with a non-toxic adhesive to a resin-impregnated, sound-deadening honeycomb core.
- B. Pilasters shall be 1-1/4", constructed of two sheets of 18-gauge galvanized steel, formed and bonded under pressure with a non-toxic adhesive to a full resin-impregnated, sound-deadening full-face honeycomb core.

2.03 CONSTRUCTION

- A. Doors and panels shall be 1" thick. Edges shall be sealed with a 22-gauge steel interlocking molding. Molding corners shall be welded to each other and to face sheets, and ground smooth to form a rigid frame around the component.
- B. Pilasters shall be 1-1/4", constructed of two sheets of 18-gauge galvanized steel, formed and bonded under pressure with a non-toxic adhesive to a full resin-impregnated, sound-deadening full-face honeycomb core. Vertical edges shall be sealed with 20-gauge steel interlocking molding. The bottom of each pilaster shall be sealed with a 22-gauge steel interlocking molding. An 11-gauge slotted stirrup bracket shall be integrally welded on to top of each pilaster. Two 3/8" diameter by 6" long cadmium-plated studs anchor the mounting bracket to overhead structural steel members. A shoe shall conceal each ceiling mounting, having an internal cross section conforming to the pilaster, and being formed of type 304 stainless steel #4 finish.
- C. All units shall be cleaned prior to application of baked GLO-GARD hybrid powder coating of at least 1.3 mil thickness.

2.04 HARDWARE (NOTE: Refer to the ORDER INFORMATION CONTRACT for specific hardware to be supplied on your order.)

- A. All exposed door hardware shall be of chromium-plated diecast Zamac and shall be as noted:
  - 1. Upper door hinge is recessed and interlocked in door and includes a nylon pin within the plane of the door. Lower door hinge is recessed in door and includes mating box and pintle nylon cams, which provide the bearing surface. The cams are adjusted to allow the door to rest at any position within a 270-degree range.
  - 2. Door hardware shall include a coat hook, bumper, stop, keeper and a concealed latch with emergency access.
- B. Wall brackets shall be secured to walls with anchoring and/or expansion shields.
- C. Pilaster shoes shall be of type 304 stainless steel #4 finish.
- D. Fasteners shall be of chrome-plated steel; door hinges and latches will be mounted with tamper resistant barrel nuts and machine screws; hooks and handles will be mounted with tamper resistant full-thread screws.

**PART-3 EXECUTION**

3.01 PREPARATION

- A. Examine areas to receive toilet compartments for correct height and spacing of anchorage/blocking and plumbing fixtures that may affect installation of compartments. Report any discrepancies to the architect.
- B. Take complete and accurate measurements of toilet compartment locations.
- C. Start of work constitutes acceptance of job.

3.02 INSTALLATION

- A. Install compartments in a rigid, straight, plumb and level manner as shown on the shop drawings and manufacturer's installation instructions.
- B. All doors and panels to be mounted at 12" above the finished floor unless otherwise specified.
- C. Clearance at vertical edges of door shall be uniform top to bottom.
- D. No evidence of cutting, drilling and/or patching shall be visible on the finished work.
- E. Finished surfaces shall be cleaned after installation and be left free of all imperfections.

3.03 WARRANTY

- A. Global Partitions guarantees its powder coated steel units, properly maintained, against corrosion or discoloration for 3 years from the date of receipt by the customer. If materials are found defective during that period for the reasons listed above, the material will be replaced free of charge. No credits or allowances will be issued for any labor or expenses relating to the replacement of components covered under the warranty plan. All such expenses are to be borne by the buyer.

**2.05**



- HOME
- CONTACT GLOBAL
- GLOBAL STYLES
- GLOBAL MATERIALS
- POLYMER (HDPE)
- PLASTIC LAMINATE
- PHENOLIC COLOR-THRU
- PHENOLIC BLACK-CORE
- STAINLESS STEEL
- POWDER COATED**
- SHOWER PRODUCTS
- PRIVACY & URINAL SCREENS
- SPECIFICATIONS
- MAINTENANCE & CARE
- LEED INFORMATION
- INSTALLATION INSTRUCTIONS
- REPLACEMENT HARDWARE
- CATALOG (DOWNLOADABLE)

**GLOBAL** powder coated steel partitions provide high-tech quality at an economical price. The powder coated finish is electrostatically applied over stretcher level quality steel. The finish is highly resistant to wear, fading, staining, scratching and scuffing. It is easily cleaned with mild soap and wiped dry.

The steel is electrogalvanized to protect against corrosion and provide a proper base for the finish. The face sheets are held rigid and permanently in place by an interlocking strip welded at each corner. The core is cellular honeycomb which provides strong construction and maximum sound attenuation.

GLOBAL offers a full color palette of popular colors for design flexibility.

**View Specifications/Drawings  
Care and Maintenance  
Powder Coated Warranty**



**FAST TRACK: 48 Hour Shipping**  
Available in all standard colors shown below - Floor Anchored/Overhead Braced.

### Powder Coated Color Selection Guide

#### STANDARD

 White 2129	 Gray 2125	 Charcoal 2123	 Almond 2103
 Terra Cotta 2107		 Khaki 2115	 Sky Blue 2131

#### TEXTURES

 Textured Red 3544	 Textured Black 3511	 Textured Blue Frost 3536	 Textured Pine Forest 3553	 Textured Burgundy 3549
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#### PREMIUM TEXTURES

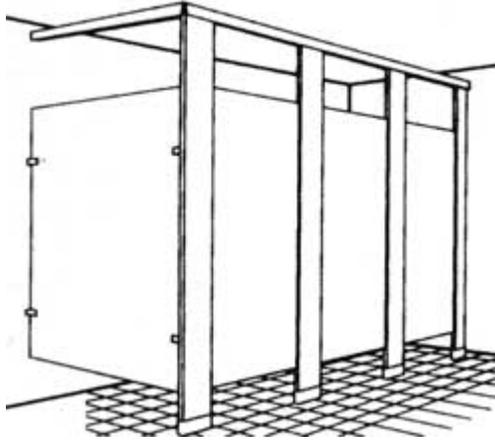
 Jungle Moss 3570	 Pepper Dust 3590
------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------

### Construction Features

Honeycomb Core

Welded Corner

**Care & Cleaning for:  
Powder Coated Toilet Partitions**



To provide Powder Coated toilet partitions with the proper care and maintenance, the following instructions must be followed:

All surfaces should be cleaned with a mild liquid soap only. The finish should then be wiped and dried. In areas containing showers, either self-contained or tiled-in units, the partitions in these rooms must receive ventilation from the outside so that excess humidity can escape.

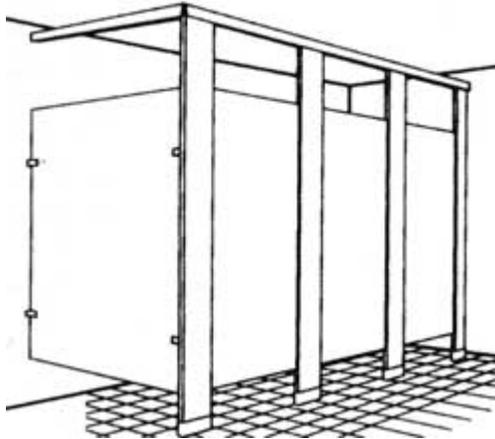
Under no circumstance should the following agents be used:

- Abrasive powders or scouring pads
- Water closet cleaners
- Ceramic tile cleaners
- Solutions containing more than 1% by volume of ammonia
- Solutions containing acids or lye
- Solutions containing enzymes

If the above instructions are adhered to, our product provides years of dependable service. **Global Partitions** shall not accept responsibility for product failure if the above instructions are not followed.



## Powder Coated Warranty



GLOBAL PARTITIONS guarantees that the restroom partitions shall be fabricated in accordance with GLOBAL'S approved drawings and specifications.

GLOBAL PARTITIONS guarantees its powder coated steel partitions, properly maintained, against chipping, flaking, cracking or discoloration, for 3 YEARS from the date of receipt by the customer. If material is found defective during that period, the material shall be replaced free of charge. No credits or allowances shall be issued for any labor or expenses relating to the replacement of components covered under the warranty plan.

This warranty shall not be applicable if vandalism or improper cleaning/maintenance of partitions has contributed as just cause for partition failure.

GLOBAL PARTITIONS  
EASTANOLLEE, GEORGIA

**GLOBAL PARTITIONS** | 2171 LIBERTY HILL ROAD | EASTANOLLEE, GEORGIA 30538  
706-827-2700 FAX: 706-827-2710

[BACK](#)

SECTION # 15410 - ~~2.9~~ P1-P1A  
 AMERICAN CONSULATE JOHNSON N.Y.

**KOHLER®**

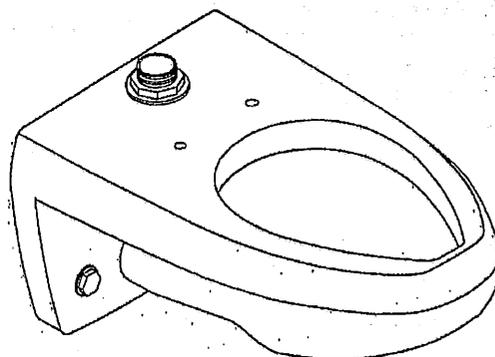
**KINGSTON™**

**BOWL  
 K-4330**

**ADA**

**Features**

- 1-1/2" top spud
- Vitreous china
- Elongated bowl
- Wall-mount
- 1.6 gpf (6 lpf)
- ADA compliant when installed at required height of 17"-19" from floor to top of seat
- With bedpan lugs (-L)
- Siphon jet
- 12-3/8" (31.4 cm) x 11-3/8" (28.9 cm) water area



**Codes/Standards Applicable**

Specified model meets or exceeds the following:

- ADA
- ASME A112.19.2
- ASME A112.19.6
- ICC/ANSI A117.2
- Energy Policy Act of 1992 (EPACT)
- IAPMO/UPC
- CSA B125

**Colors/Finishes**

- 0: White
- Other: Refer to Price Book for additional colors/finishes

**Accessories**

- 0: White
- Other: Refer to Price Book for additional colors/finishes

**Specified Model**

Model	Description	Colors/Finishes	
K-4330	Elongated bowl toilet	• 0 White	• Other _____
K-4330-L	Elongated bowl toilet with bedpan lugs	• 0 White	• Other _____
<b>Recommended Accessories</b>			
K-4670-C	Lustrum™ open front seat	• 0 White	• Other _____
K-4670-CA	Lustrum™ open front seat (with anti-microbial agent)	• 0 White	• Other _____

**Product Specification:**

The elongated bowl shall be wall-mount with a 1-1/2" top spud. Bowl shall be made of vitreous china; Bowl shall have 12-3/8" (31.4 cm) x 11-3/8" (28.9 cm) water area. Bowl shall be 1.6 gpf (6 lpf). Bowl shall be ADA compliant when installed at required height of 17" (43.2 cm) - 19" (48.3 cm) from the floor to the top of the seat. Bowl shall have bedpan lugs (-L). Bowl shall have siphon jet. Bowl shall be Kohler Model K-4330-\_\_\_\_\_

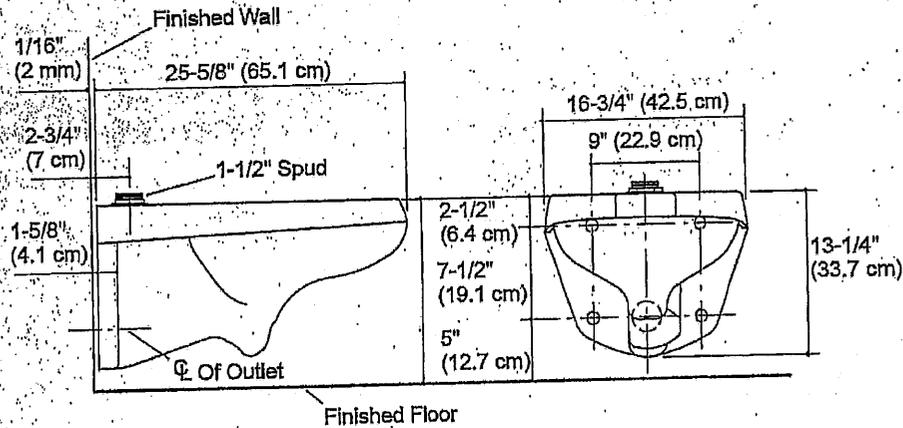
# KINGSTON™

## Technical Information

ADA compliant	
Fixture:	
Configuration	top spud, elongated
Water per flush	1.6 gallons (6 L)*
Spud size	1-1/2"
Passageway	2-1/4" (5.7 cm)
Water area	12-3/8" (31.4 cm) x 11-3/8" (28.9 cm)
Water depth from rim	5-1/4" (13.3 cm)
Seat post hole centers	5-1/2" (14 cm)
* Designed to flush with 1.6 (6 L) gallons of water when installed with a 1.6 (6 L) gpf flush valve.	
Included components:	
Spud	18357
Flush valve requirements: Refer to manufacturer and local codes.	

## Installation Notes

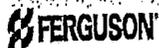
Install this product according to the installation guide.



## Product Diagram

KINGSTON™ BOWL  
Page 2 of 2  
112572-4-BC

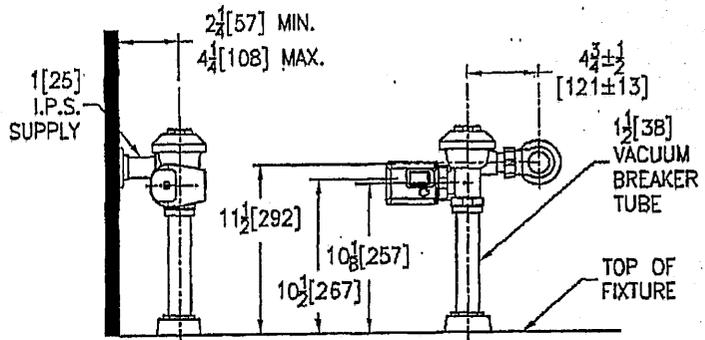
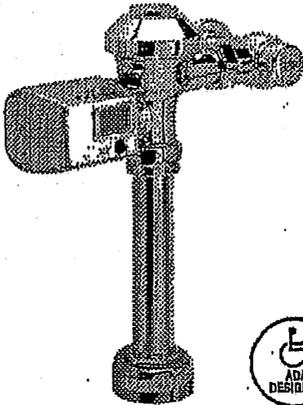
THE BOLD LOOK  
OF KOHLER.





AquaSense® AV Model  
Tag 15410-2.5-A

**Exposed ZER6000AV-CPM Model  
Sensor Operated Battery Powered Flush Valve  
For Water Closets**



**Flow Options**

- WS1 1.6 Gal. Low Consumption Flush
- FF 4.5 Gal. Full Flush
- Standard Flush 3.5 Gallons Per Flush

**Suffix Options (Check/Specify Appropriate Options)**

- \_\_\_\_\_ -YJ Split Ring Pipe Support
- \_\_\_\_\_ -YK Solid Ring Pipe Support
- \_\_\_\_\_ -YO Bumper On Angle Stop
- \_\_\_\_\_ Other

**ENGINEERING SPECIFICATION: ZURN ZER6000AV-CPM AquaSense® 'AV' Exposed Closet Flush Valve** – Exposed, quiet diaphragm-type, chrome plated, flushometer valve with a polished exterior. Complete with Zurn's AquaVantage TPE, chloramine resistant, dual seal diaphragm with a clog resistant, triple filtered bypass. The valve incorporates a 6VDC motor actuator, a battery powered automatic sensor, high impact resistant polycarbonate housing and chrome plated metal cover with manual override push button, high back pressure vacuum breaker, one piece hex coupling nut, adjustable tallpiece, spud coupling and flange for top spud connection. Control stop has internal siphon-guard protection, vandal resistant stop cap, sweat solder kit, and a cast wall flange with set screw. Internal seals are made of chloramine resistant materials.

This space is for Architectural/Engineering Approval

ZURN PLUMBING PRODUCTS GROUP COMMERCIAL BRASS OPERATION, 6900 ELWIN BUCHANAN DRIVE, SANFORD, NC 27330  
PHONE: 1-800-997-3876, FAX: 919-775-3541, WEBSITE: www.zurn.com  
IN CANADA: ZURN INDUSTRIES LIMITED 3544 NASHUA DRIVE, MISSISSAUGA, ONTARIO L4V1L2, PHONE: 905-405-8272, FAX: 905-405-1292

AquaVantage™ and AV™ are trademarks of Zurn Industries, Inc.  
AquaSense® is a registered trademark of Zurn Industries, Inc.

Rev. A  
Dwg. No. 65430

Date: 6/15/01

C.N. No. 85365  
Product No. ZER6000AV-CPM

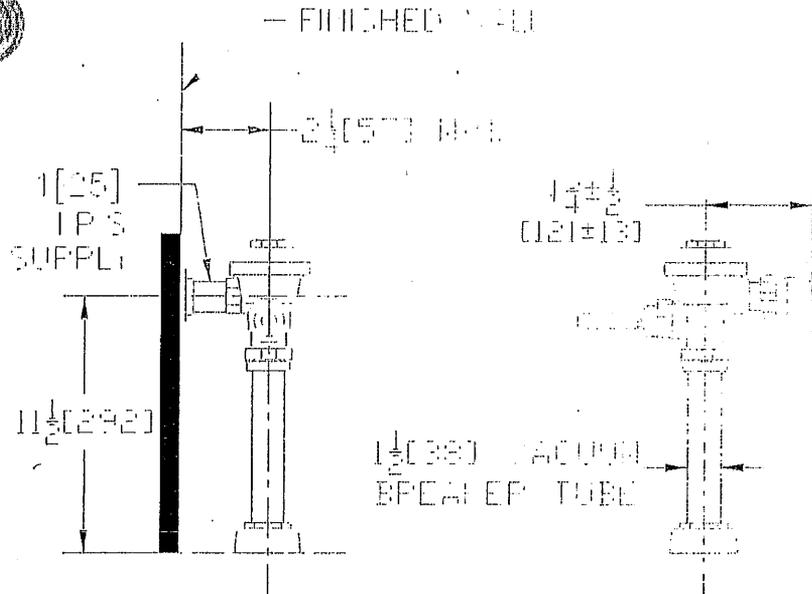
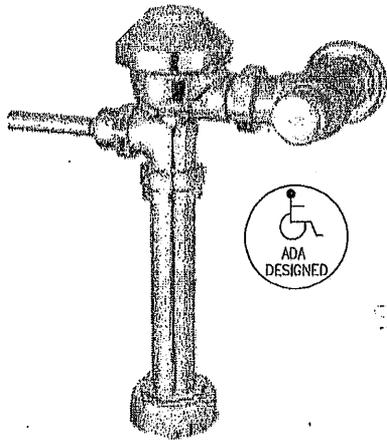




AquaVantage® AV Model

TAG 1570-2.FP1-P1-A

## Exposed Z6000AV Model For Water Closets



### Flow Options

<input type="checkbox"/> -WS1	1.6 Gal. Low Consumption Flush
<input type="checkbox"/> -FF	4.5 Gal. Full Flush
<input type="checkbox"/> Standard Flush	3.5 Gallons Per Flush

### Suffix Options (Check/Specify Appropriate Options)

_____ -BG	BioCare Handle
_____ -H	Handle on Front of Flush Valve
_____ -L	1" [25] Metal Push Button
_____ -L3	3" [76] Metal Push Button
_____ -YJ	Split Ring Pipe Support
_____ -YK	Solid Ring Pipe Support
_____ -YO	Bumper on Angle Stop
_____	Other

**ENGINEERING SPECIFICATION:** ZURN Z6000AV AquaVantage® 'AV' Exposed Closet Flush Valve - Exposed, quiet diaphragm-type, chrome plated flushometer valve with a polished exterior. Complete with Zurn's AquaVantage® TPE, chloramine resistant, dual seal diaphragm with a clog resistant, triple filtered by-pass. The valve is ADA compliant with a non-hold open and no leak handle feature, high back pressure vacuum breaker, one piece hex coupling nut, adjustable tailpiece, spud coupling and flange for top spud connection. Control stop has internal siphon-guard protection, vandal resistant stop cap, sweat solder kit, and a cast wall flange with set screw. Internal seals are made of chloramine resistant materials.

This space is for Architectural/Engineering Approval

ZURN INDUSTRIES, INC. • COMMERCIAL BRASS OPERATION • 5900 ELWIN BUCHANAN DRIVE • SANFORD NC 27330

Phone: 1-800-997-3876 • Fax: 919-775-3541 • World Wide Web: www.zurn.com

In Canada: ZURN INDUSTRIES LIMITED • 3544 Nashua Drive • Mississauga, Ontario L4V1L2 • Phone: 905-405-8272 Fax: 905-405-1292

AquaVantage® is a registered trademark of Zurn Industries, Inc.

Rev. D  
Dwg. No. 63276

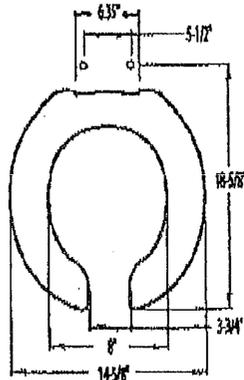
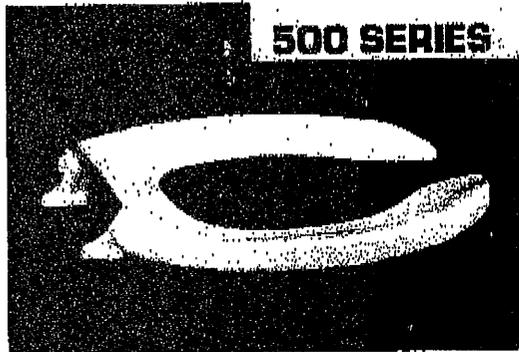
Date: 4/28/03  
Product No. Z6000AV



# Solid Plastic Seats

## Institutional Commercial

### 500 SERIES



### DETAILS

#### 500CC

Heavy Duty open front less cover for elongated bowl. Plated steel check hinge with PVC washers and plastic nuts.

#### 500CCBS

Heavy Duty open front less cover for elongated bowl. Plated steel self sustaining check hinge with PVC washers and plastic nuts.

#### 500BT6CC

Heavy Duty open front less cover for elongated bowl. Stainless steel check hinge with PVC washers, metal flat washers, lock washers and stainless steel nuts.

#### 500BT6CCBS

Heavy Duty open front less cover for elongated bowl. Self sustaining stainless steel check hinge with PVC washers, metal flat washers, lock washers, stainless steel nuts and self sustaining check hinge.

#### Standard Features:

- Corrosion free steel hinge posts
- Check hinge posts
- Extended back with concealed hinge
- Integrally molded permanent and sanitary color keyed bumpers
- Corrosion free hardware
- Withstands cleaners, strong chemicals
- Easy clean

### SPECIFICATIONS

Seats shall be Centoco No. \_\_\_\_\_  
 Seat and cover shall be injection molded of high strength, impact resistant thermoplastic with integrally molded permanent bumpers and steel reinforced check hinges standard.

Color to be WHITE

ADD AS REQUIRED

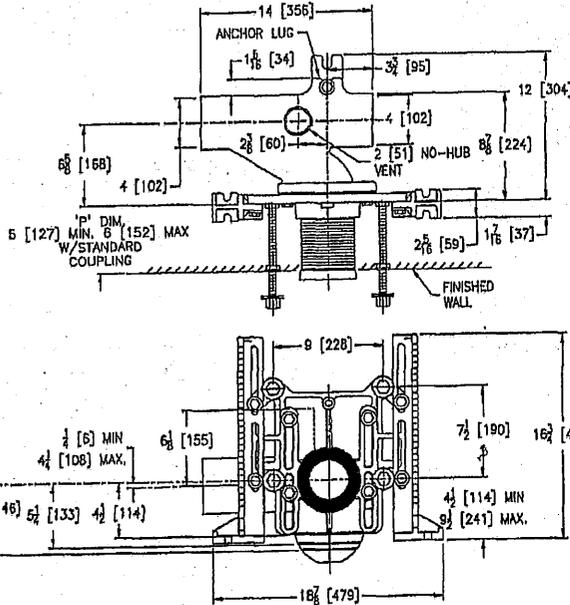


**Z-1203-N**  
**ADJUSTABLE HORIZONTAL SIPHON JET**  
**NO-HUB**

SPECIFICATION SHEET

TAG 15410-28-A

Dimensional Data (Inches and [ mm ]) are Subject to Manufacturing Tolerances and Change Without Notice



Product Number	Approx. Wt. Lbs. [kg]
Z-1203-NL4	67 [30]
Z-1203-NR4	

AS REQUIRED

Note:

1. Min. 'P' Dim. Obtainable=2 [51]
2. Feet bolted to floor using min. 1/2 [13] dia. bolts and back slots on carrier feet.
3. Back anchor foot required for secure installation.

**ENGINEERING SPECIFICATION:** ZURN Z-1203-N( ) Adjustable, horizontal siphon jet water closet "Rigid System" with 4 [102] No-Hub connections. Complete with Dura-Coated cast iron right hand, left hand, or double main fitting, with 2 [51] vent, adjustable gasketed faceplate, universal floor mounted foot supports, corrosion resistant adjustable ABS coupling with integral test cap, fixture bolts, trim, and stud protectors. Rear anchor tie down and bonded "Neo-Seal" gasket.

**OPTIONS** (Check/specify appropriate options)

- Z-1203-NR4 4 [102] No-Hub Right Hand Inlet with Flow to Left  
 Z-1203-NL4 4 [102] No-Hub Left Hand Inlet with Flow to Right

**PREFIXES**

- \_\_\_ Z- D.C.C.I. System with Zurn "ZZ" Adjustable Coupling\*  
 \_\_\_ ZQ- D.C.C.I. System with NPT Faceplate, Non-Adjustable Coupling

**SUFFIXES**

- |         |                                                                   |         |                                                                           |
|---------|-------------------------------------------------------------------|---------|---------------------------------------------------------------------------|
| ___ -A  | Auxiliary Support Assembly (For 'P' Dim. Greater than 18 [457])   | ___ -T  | Threaded Connection                                                       |
| ___ -B  | Blowout Type Fixture Support                                      | ___ -VP | Vandal Proof Trim                                                         |
| ___ -BC | Back Cleanout                                                     | ___ -W  | Adapter Assembly for Womens Urinal                                        |
| ___ -CC | Corrosion Resistant Cast Iron Coupling (6 [151] to 12 [305])      | ___ -XH | Extra-Heavy-Duty 500-Lb. [227 kg.] Carrier                                |
| ___ -CL | Coupling Length Greater Than 12 [305] (Specified Length Required) | ___ -X3 | 3" [76] Foot Extension Assembly                                           |
| ___ -F  | Floor Mounted, Back Outlet Fixture Support                        | ___ -X4 | 4" [102] Foot Extension Assembly                                          |
| ___ -G  | Galvanized Cast Iron                                              | ___ -20 | Mechanical Test Cap Assembly                                              |
| ___ -M  | Auxiliary Foot Support (for 'P' Dim. 10 [254]-18 [457])           | ___ -45 | Finishing Frame for Siphon Jet System (for Blow Out System specify -45-B) |
|         |                                                                   | ___ -50 | Flush Valve Supply Support for Water Closets                              |
|         |                                                                   | ___ -61 | "ZZ" Coupling Wrench                                                      |

REV. D	DATE: 11/18/99	C.N. NO. 83764
DWG. NO. 59268	PRODUCT NO. Z-1203-N	

\*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

ZURN INDUSTRIES, INC. + SPECIFICATION DRAINAGE OPERATION + 1801 Pittsburgh Ave. + Erie, PA 16514  
 Phone: 814/455-0921 + Fax: 814/454-7929 + World Wide Web: www.zurn.com  
 In Canada: ZURN INDUSTRIES LIMITED + 3544 Nashua Drive + Mississauga, Ontario L4V1L2 + Phone: 905/405-8272 Fax: 905/405-1292



ADD AS REQUIRED

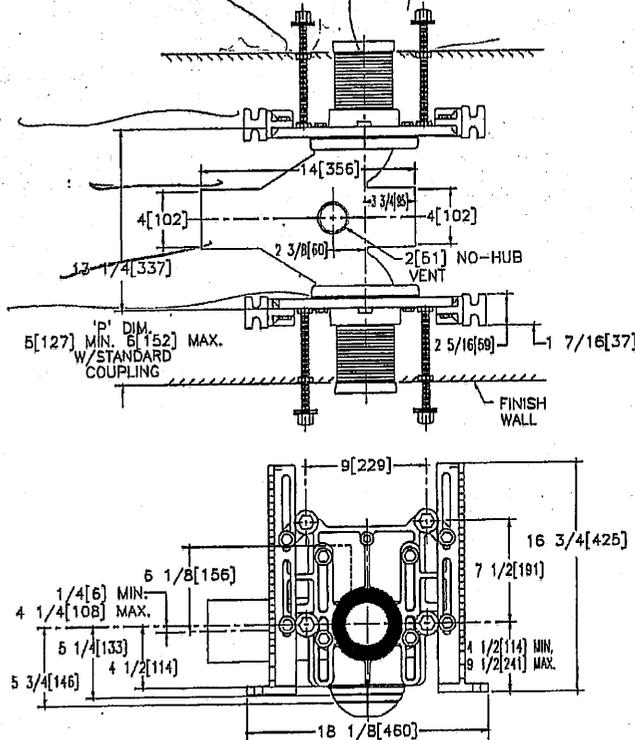
SPECIFICATION SHEET



**Z-1203-ND4**  
**ADJUSTABLE HORIZONTAL BACK TO BACK**  
**SIPHON JET-NO HUB**

TAG 15410-2.8-A

Dimensional Data (Inches and [ mm ]) are Subject to Manufacturing Tolerances and Change Without Notice



Product Number	Approx. Wt. Lbs. [kg]
Z-1203-ND4	120[51]

AS REQUIRED

Note:

1. Min. 'P' Dim. Obtainable=2 [51]
2. Feet bolted to floor using min. 1/2 [13] dia. bolts and back slots on carrier feet.

**ENGINEERING SPECIFICATION:** ZURN Z-1203-ND4 Adjustable, horizontal siphon jet water closet "Rigid System" with 4 [102] No-Hub connections. Complete with Dura-Coated cast iron fitting, with 2 [51] vent, adjustable gasketed face plates, universal floor mounted foot supports, corrosion resistant adjustable ABS couplings with integral test cap, fixture bolts, trim, stud protectors and bonded "Neo-Seal" gaskets.

**OPTIONS** (Check/specify appropriate options)

**Z-1203-ND4** 4 [102] No-Hub Back to Back Inlet (Double)

**PREFIXES**

- \_\_\_ Z- D.C.C.I. System with Zurn "ZZ" Adjustable Coupling\*
- \_\_\_ ZQ- D.C.C.I. System with Non-Adjustable Coupling

**SUFFIXES**

- \_\_\_ -A Auxiliary Support Assembly (For 'P' Dim. Greater than 18 [457])
- \_\_\_ -B Blowout Type Fixture Support
- \_\_\_ -BC Back Cleanout
- \_\_\_ -CC Corrosion Resistant 6 [152] Long Cast Iron Coupling
- \_\_\_ -CL Coupling Length Greater Than Standard (Length Must be Specified)
- \_\_\_ -F Floor Mounted Back Outlet Closet Connection
- \_\_\_ -G Galvanized Cast Iron
- \_\_\_ -M Auxiliary Foot Support for 'P' Dim. 10 [254] Thru 18 [457]
- \_\_\_ -T Threaded Stack Connection
- \_\_\_ -VP Vandal Proof Trim
- \_\_\_ -W Adapter Assembly for Womens Urinal
- \_\_\_ -29 Mechanical Test Cap Assembly
- \_\_\_ -45 Finishing Frame for Siphon Jet Closet
- \_\_\_ -50 Flush Valve Supply Support for Water Closets
- \_\_\_ -61 Adjusting Wrench for "ZZ" Coupling

REV. C DATE: 5/31/96 C.N. NO. 75148

DWG. NO. 54354 PRODUCT NO. Z-1203-ND4

\*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

ZURN INDUSTRIES, INC. + SPECIFICATION DRAINAGE OPERATION + 1801 Pittsburgh Ave. + Erie, PA 16514  
 Phone: 814/455-0921 + Fax: 814/454-7929 + World Wide Web: www.zurn.com

In Canada: ZURN INDUSTRIES LIMITED + 3544 Nashua Drive + Mississauga, Ontario L4V1L2 + Phone: 905/405-8272 Fax: 905/405-1292





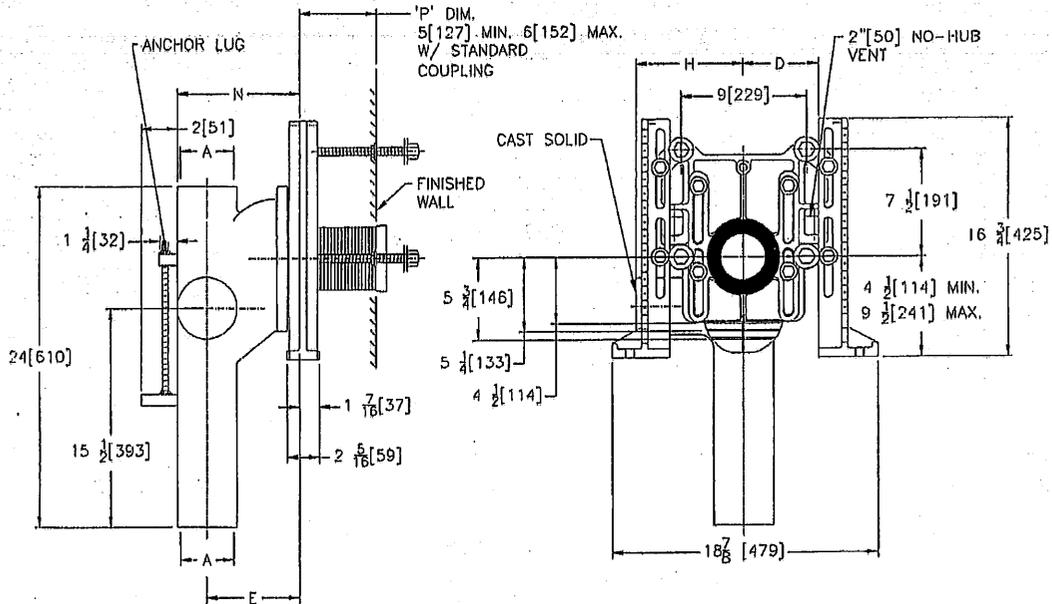
# Z1204-N

## ADJUSTABLE VERTICAL SIPHON JET-NO-HUB

SPECIFICATION SHEET

TAG 15410-28-2  
AS REQUIRED

Dimensional Data (inches and [ mm ]) are Subject to Manufacturing Tolerances and Change Without Notice



**Note:**

1. Min. 'P' Dim. Obtainable=2 [51]
2. 2 No-Hub vent connection regularly furnished on right hand side. Left hand available when specified (Suffix- VL)
3. Auxilliary inlet available right (-JR) or left (-JL) or both sides (-JJ) when specified.
4. Feet bolted to floor using min. 1/2 [13] dia. bolts and back slots on carrier feet.
5. Back anchor foot required for secure installation.

Product No.	Dimensions In Inches					Approx. Wt. Lbs. [kg]
	A	D	E	H	N	
Z1204-N4	4 [102]	5 [127]	6 5/8 [168]	5 1/2 [140]	8 7/8 [225]	80 [36]
Z1204-N5	5 [127]	5 1/2 [140]	6 5/8 [168]	6 1/2 [165]	9 3/8 [238]	85 [39]
Z1204-N6	6 [152]	6 [152]	7 1/8 [181]	6 1/2 [165]	10 3/8 [264]	95 [43]

**ENGINEERING SPECIFICATION:**

ZURN Z1204-N ( ) Adjustable, vertical siphon jet water closet "Rigid System" with ( ) size No-Hub connections and ( ) side inlets. Complete with Dura-Coated cast iron right hand, left hand, or double main fitting, with 2 [51] vent, adjustable gasketed face-plate, universal floor mounted foot supports, corrosion resistant adjustable ABS coupling with integral test cap, fixture bolts, trim, and stud protectors. Rear anchor tie down and bonded "Neo-Seal" gasket.

**PRODUCT/DEFINITION**

\_\_\_\_\_ Z1204-N No-Hub Stack, Single Inlet, 2 [51] Right Hand Vent

**PREFIXES**

\_\_\_\_\_ Z D.C.C.I. System with Zurn "ZZ" Adjustable Coupling\*  
 \_\_\_\_\_ ZQ D.C.C.I. System with NPT Face Plate, Non-Adjustable Coupling

**SUFFIXES**

- \_\_\_\_\_ -A Auxilliary Support Assembly (For P-Dim. Greater than 18 [457])
- \_\_\_\_\_ -B Blowout Type Fixture Support
- \_\_\_\_\_ -BC Back Cleanout
- \_\_\_\_\_ -CC Corrosion Resistant Cast Iron Coupling (6 to 12 [152] to [305])
- \_\_\_\_\_ -CL Coupling Length Greater than 12 [152] (Specify Length Required.)
- \_\_\_\_\_ -F Floor Mount, Back Outlet Fixture Support
- \_\_\_\_\_ -G Galvanized Cast Iron
- \_\_\_\_\_ -JJ Two 2" [51] Auxilliary Inlets
- \_\_\_\_\_ -JL 2 [51] Left-Hand Auxilliary Inlet
- \_\_\_\_\_ -JR 2 [51] Right-Hand Auxilliary Inlet
- \_\_\_\_\_ -M Auxilliary Foot Support (For P-Dim. 10-18 [254-457])

- \_\_\_\_\_ -VL Left Hand Vent Connection
- \_\_\_\_\_ -VP Vandal-Proof Trim
- \_\_\_\_\_ -W Adapter for Women's Urinal
- \_\_\_\_\_ -XH Extra-Heavy-Duty 500 lb [227 kg] Carrier
- \_\_\_\_\_ -X3 3 [76] Foot Extension
- \_\_\_\_\_ -X4 4 [102] Foot Extension
- \_\_\_\_\_ -29 Mechanical Test Cap Assembly (Previously Z1210-29)
- \_\_\_\_\_ -45 Finishing Frame for Siphon Jet System (For Blowout System Specify -45-B) (Previously Z1210-45)
- \_\_\_\_\_ -50 Flush Valve Supply Support for W.C. (Previously Z1210-50)
- \_\_\_\_\_ -61 "ZZ" Coupling Wrench

\*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

REV. E DATE: 5/3/05 C.N. NO. 92510

DWG. NO. 58842 PRODUCT NO. Z1204-N

ZURN INDUSTRIES, INC. ♦ SPECIFICATION DRAINAGE OPERATION ♦ 1801 Pittsburgh Ave. ♦ Erie, PA 16514  
 Phone: 814/455-0921 ♦ Fax: 814/454-7929 ♦ World Wide Web: www.zurn.com  
 In Canada: ZURN INDUSTRIES LIMITED ♦ 3544 Nashua Drive ♦ Mississauga, Ontario L4V1L2 ♦ Phone: 905/405-8272 Fax: 905/405-1292

ADD AS REQUIRED

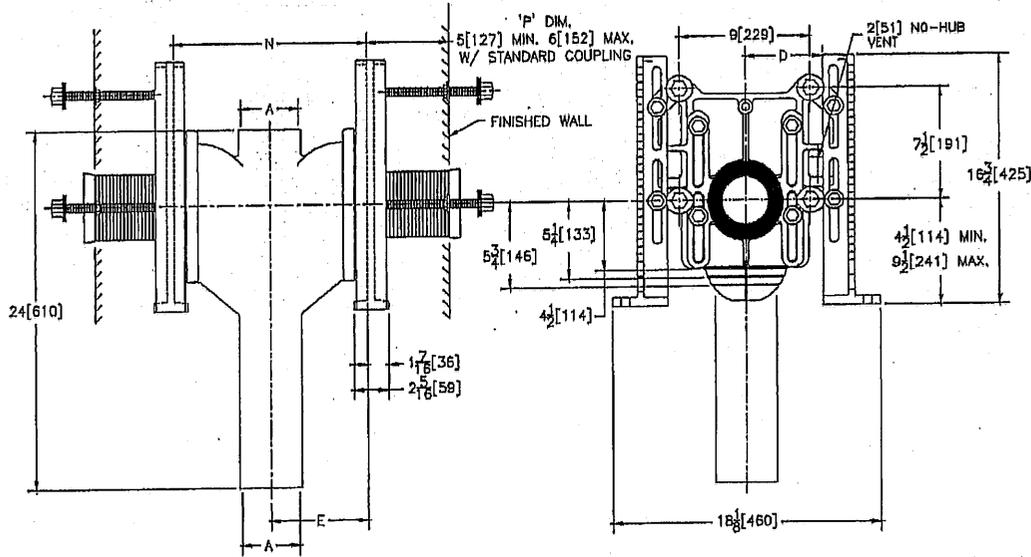


Z-1204-ND ADJUSTABLE VERTICAL  
SIPHON JET- No-Hub

SPECIFICATION SHEET

TAG 15-410-28-A  
As Req'd.

Dimensional Data (Inches and [ mm ]) are Subject to Manufacturing Tolerances and Change Without Notice



Product No.	Dimensions in Inches [mm]					Approx. Wt. Lbs. [kg]
	A	D	E	H	N	
Z-1204-ND4	4[102]	5[127]	6-5/8[168]	5-1/2[140]	13-1/4[336]	139 [63]
Z-1204-ND5	5[127]	5-1/2[140]	6-5/8[168]	6-1/2[165]	13-1/4[336]	140 [63]
Z-1204-ND6	6[152]	6[152]	7-1/8[181]	6-1/2[165]	14-1/4[362]	145 [66]

- Note:
1. Min. 'P' Dim. Obtainable=2[51]
  2. Two 4[102] or 5[127] side inlets as indicated.
  3. Feet bolted to floor using min. 1/2[13] dia. bolts and back slots on carrier feet.

**ENGINEERING SPECIFICATION:** ZURN Z-1204-ND( ) Adjustable, vertical siphon jet water closet "Rigid System" with ( ) size No-Hub connections and ( ) side inlets. Complete with Dura-Coated cast iron right and left hand fitting, with 2[51] vent, adjustable gasketed face plate, universal floor mounted foot supports, corrosion resistant adjustable ABS coupling with integral test cap, fixture bolts, trim, and stud protectors. Rear anchor tie down, and bonded "Neo-Seal" gasket.

**PRODUCT/DEFINITION**

\_\_\_ Z-1204-ND No-Hub Stack, Double Inlets, 2[51] Vent.

**PREFIXES**

- \_\_\_ Z- D.C.C.I. System with Zurn "ZZ" Adjustable Coupling\*  
 \_\_\_ ZQ- D.C.C.I. System with Non-Adjustable Coupling

**SUFFIXES**

- \_\_\_ -A Auxiliary Support Assembly (For P-Dim. greater than 18[457])  
 \_\_\_ -B Blowout Type Fixture Support  
 \_\_\_ -BC Back Cleanout  
 \_\_\_ -CC Cast Iron Coupling 6[152] Long  
 \_\_\_ -CL Coupling Length Greater than 12[305]. (Specify length if greater than 6[152])  
 \_\_\_ -F Floor Mounted Back Outlet, Fixture Support  
 \_\_\_ -G Galvanized Cast Iron  
 \_\_\_ -JJ 2[51] Auxiliary Inlet  
 \_\_\_ -JL 2[51] Left Hand Auxiliary Inlet  
 \_\_\_ -JR 2[51] Right Hand Auxiliary Inlet  
 \_\_\_ -M Auxiliary Foot Support (For P-Dim. 10[254] 18[457])  
 \_\_\_ -T Threaded Stack Connection (Available on Restricted Basis Only)  
 \_\_\_ -VP Vandal Proof Trim  
 \_\_\_ -W Adapter for Womens Urinal  
 \_\_\_ -29 Mechanical Test Cap Assembly (Previously Z-1210-29)  
 \_\_\_ -45 Finishing Frame for Siphon Jet System (For Blowout System specify -45-B) (Previously Z-1210-45)  
 \_\_\_ -50 Flush Valve Supply Support for W.C. (Previously Z-1210-50)  
 \_\_\_ -61 "ZZ" Coupling Wrench

REV. B DATE: 12/11/97 C.N. NO. 79360

DWG. NO. 56985 PRODUCT NO. Z-1204-ND

\*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

ZURN INDUSTRIES, INC. + SPECIFICATION DRAINAGE OPERATION + 1801 Pittsburgh Ave. + Erie, PA 16514  
 Phone: 814/455-0921 + Fax: 814/454-7929 + World Wide Web: www.zurn.com  
 In Canada: ZURN INDUSTRIES LIMITED + 3644 Nashua Drive + Mississauga, Ontario L4V1L2 + Phone: 905/406-8272 Fax: 905/406-1292



P-3/P-3A

VS410-2.10 P3/P.3A

# WATERLESS™

## No-Flush™ Urinals

HIGH PERFORMANCE COMPOSITE OR VITREOUS CHINA

**Waterless Co. LLC**

1050 Joshua Way, Vista CA 92081

Toll Free: (800) 244-6364 or (888) 663-5874

Tel: (760) 727-7723 Fax: (760) 727-7775

sales@waterless.com • www.waterless.com

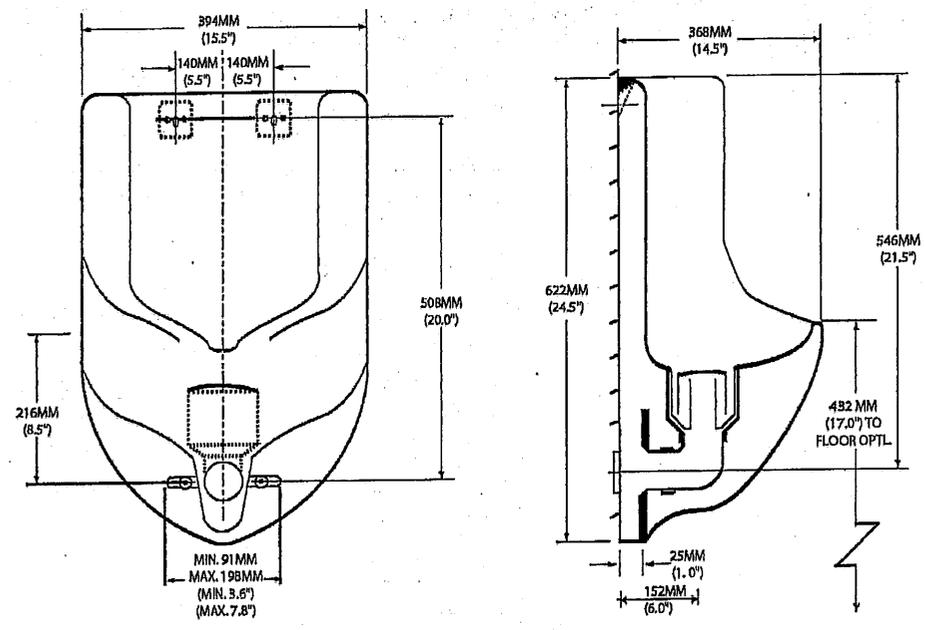


### SIERRA™ Model# 2102 • SPECIFICATIONS

ADA Compliant

Vitreous China

**DIMENSIONS: 24" L x 16" W x 14" D**



#### General

Urinal to be Waterless Co. No-Flush™ urinal Sierra™, Model #2102, elongated rim, wall hung urinal, wall hung urinal, full 2" interior drain to accommodate replaceable vertical EcoTrap® plastic trap insert having a circular outer rim opening for flow. Trap to be inserted by press fit. Trap insert removable only by special two pronged stainless tool. Complies with ADA, ANSI Z124.9, ASME A112.19.2 and CSA®. Supplied vertical EcoTrap® insert required. Mount at 17" above finished floor to lip of urinal or as required by architect, ADAAG. Center drain line to be at 8.5" off finished floor. Supply suitable wall support, i.e. carrier. Install and maintain as per manufacturer's instructions. Urinal 2" drain outlet installs and drains to 2" flanged waste. Retrofit or new construction: Color: Sanitary white. To be made of vitreous china. Approx. Weight: 55 Lbs. Use standard sanitation practices to maintain fixture. Adequate BlueSeal® trap liquid to be maintained in EcoTrap® of urinal.

#### Furnished complete with:

Two unit integrated wall hangers, AllFlange™ slots for flange bolts, fastening hardware, gasket and two EcoTraps®, vertical trap design. 3 Year Limited Warranty.

#### Note:

Urinal is predrilled to accept most 2" brass flanges from other manufacturer's urinals in a retrofit scenario. For new construction specify to include brass urinal flange for 2" waste. (Item #5001).

In keeping with our policy of product improvement, Waterless Co. reserves the right to change product specifications at any time without notice.

© Waterless Co. LLC 0506

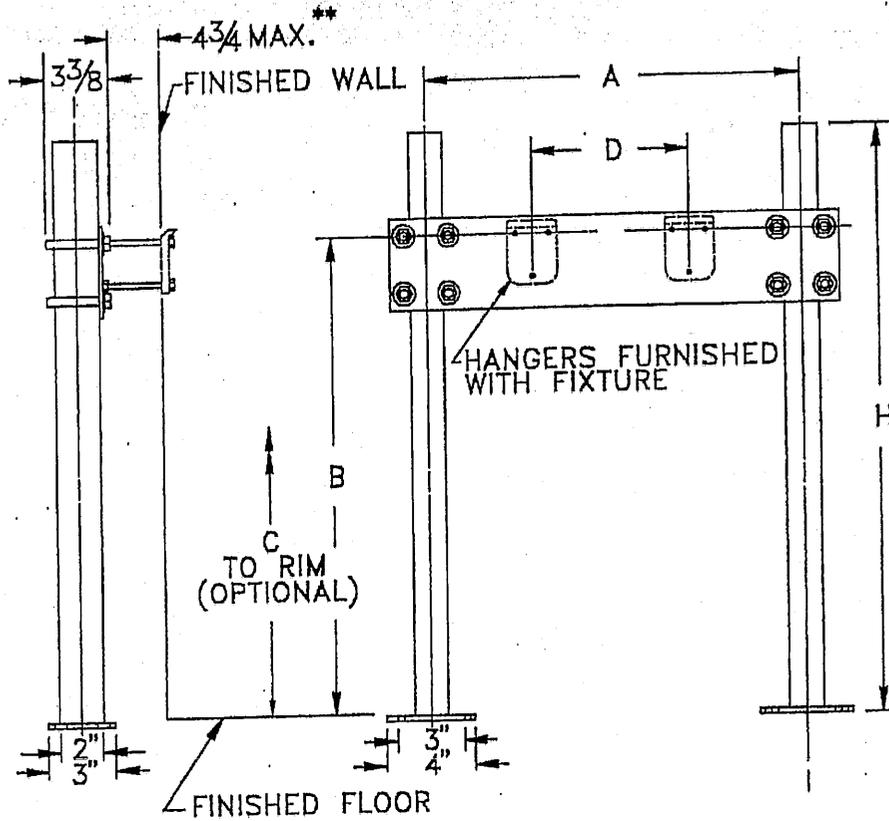
ADD AS REQUIRED



Z-1221 PLATE TYPE SYSTEM  
Wall Urinals

TAG 15410-28-B  
P3

Dimensions Subject to Manufacturing Tolerances



\*\* WITH STANDARD STUD LENGTH OF 6.

Product No.	Approx. Wt. Lbs.
Z-1221	50

ENGINEERING SPECIFICATION: ZURN Z-1221 Wall urinal support system with top support plate. Complete with Dura-Coated rectangular steel uprights with welded feet, adjustable support plate, and mounting fasteners.

OPTIONS (Check/specify appropriate options)

PREFIXES

\_\_\_ Z- Dura-Coated System with Universal Plate\*

SUFFIXES

\_\_\_ -SL Stud Length Over 6" (Specify Length)  
\_\_\_ -VP Vandal Proof Trim  
\_\_\_ -58 Flush Valve Supply Support

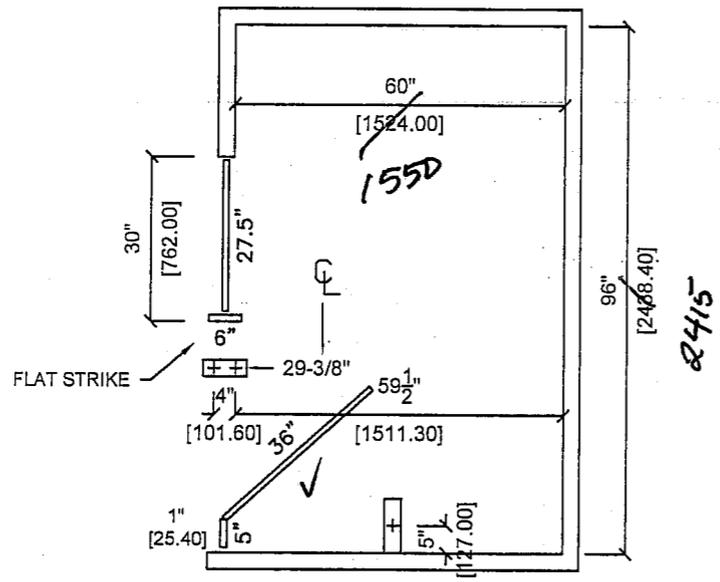
\*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED, LETTER DIMENSIONS TO MEET FIXTURE REQUIREMENTS.

REV. A DATE: 9/20/91 C.N. NO. 67825  
DRAWING NO. 54310 PRODUCT NO. Z-1221

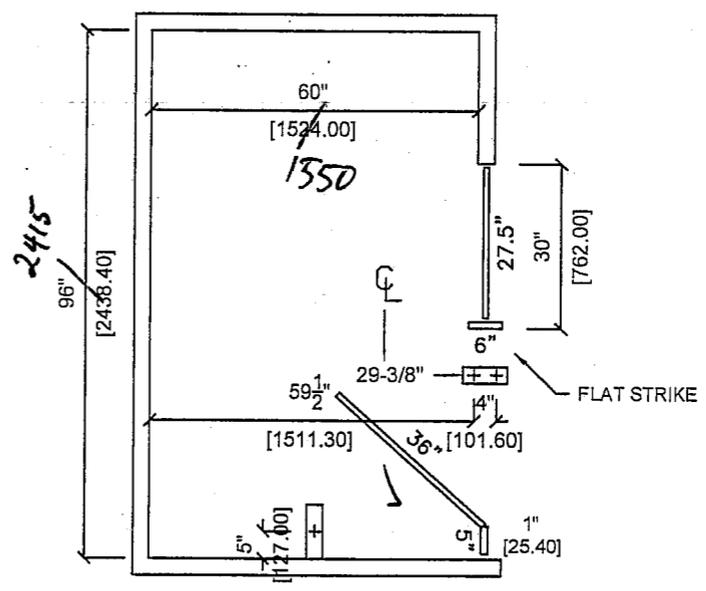
ZURN INDUSTRIES, INC., HYDROMECHANICS DIV., 1801 Pittsburgh Ave., Erie, PA 16514 Phone: 814/455-0921 Fax: 814/454-7929



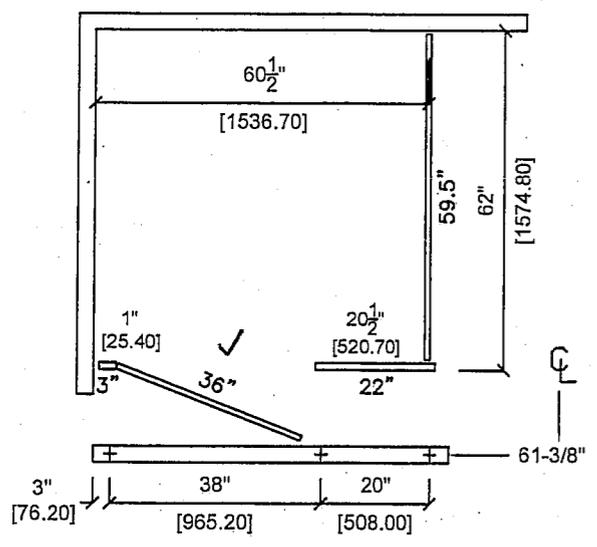
P4-A



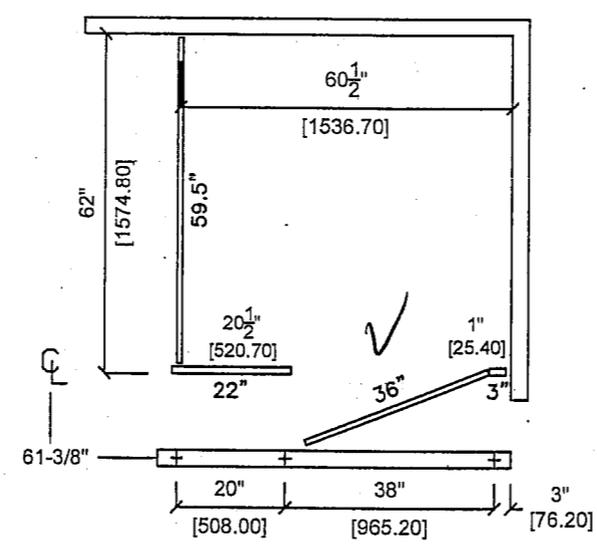
G107 (650)  
 clg. ht = 3000



G105 (650)  
 clg. ht = 3000



BATHROOM 168  
 clg. ht = 2800



BATHROOM 169  
 clg. ht = 2800

NOTE:  
 FIELD VERIFY ALL MEASUREMENTS

2171 LIBERTY HILL ROAD, EASTANOLLEE, GA 30538

NO.	DATE:	REVISION	JOB: US EMBASSY/MEXICO	SCALE: 3/8" = 1'
			LOC: EL PASO, TX	BY: JW
			ARCH:	DATE: 8-20-07
			CONTR: CADDELL CONSTRUCTION	SHEET: 3 OF 8
		P.O. # 14321	DIST: SPEC10 SALES, INC.	JOB # 731668

# Extrema II

glazed rectified colored-body porcelain floor tile • PEI IV/III • STS M



floor tile 24" x 24"\*, 12" x 24"

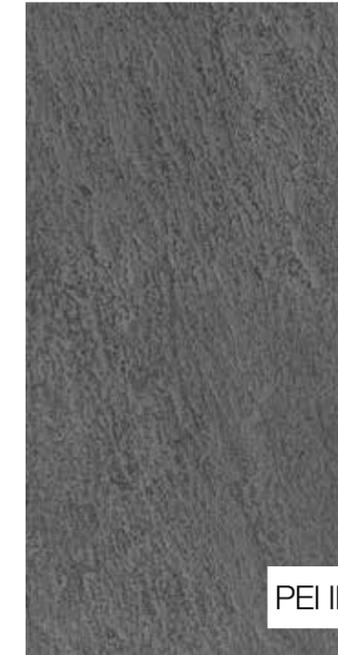


Beige

\*24" x 24" available by special order only

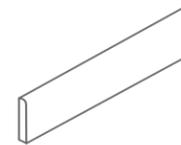


Gray



Black

trim (Available in all colors)



Surface Bullnose  
3" x 12"



Gray

# Pietra Cristal

glass & natural stone wall tile • STS R



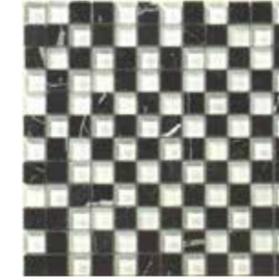
mosaic 12" x 12"



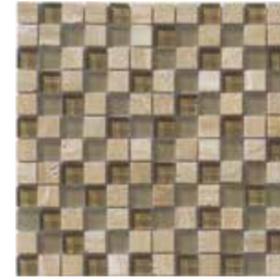
Crema Cubic Mosaic  
1" x 1"



Golden Emperador  
Cubic Mosaic  
1" x 1"



Nero Bianco Cubic  
Mosaic  
1" x 1"



Topaz Cubic Mosaic  
1" x 1"



Crema Strato Mosaic



Golden Emperador  
Strato Mosaic



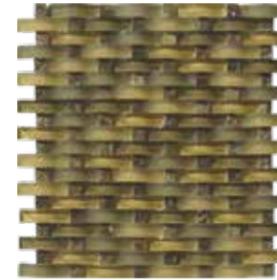
Nero Bianco Strato  
Mosaic



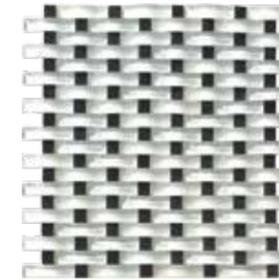
Topaz Strato Mosaic



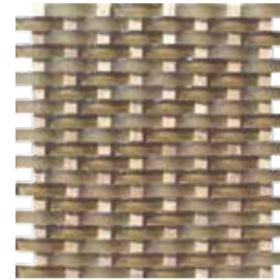
Crema Serpentine Mosaic



Golden Emperador  
Serpentine Mosaic



Nero Bianco  
Serpentine Mosaic



Topaz Serpentine  
Mosaic

Geometrics mosaic 12" x 12"



Blanco



Beige



Brown

Crema Strato Mosaic, Crema Cubic Mosaic, Barcelona II Moka matte finish

# Material Safety Data Sheet

U.S. Department of Labor

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

Occupational Safety and Health Administration  
from FORM 174, Sept. 1985 (Non-Mandatory Form)

Adapted

IDENTITY (As Used on Label and List) <b>Interglass (Series Glass &amp; Mosaic Glass- Pietra Cristal)</b>	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
-------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------

## Section I - Manufacturer & Distributor Information

Manufacturer's Name <b>INTERCERAMIC</b>	Emergency Telephone Number <b>011-521-429-1111 ext 2301</b>
Address (Number, Street, City, State, Country and Postal Code) <b>Internacional de Ceramica S.A de C.V.</b>	Telephone Number For Information <b>011-521-429-1111 ext 2301</b>
<b>Ave. Carlos Pacheco 7200</b> <b>Sector 26</b>	Date Prepared <b>7/26/2012</b>
<b>Chihuahua, Chih. C.P. 31060</b> <b>Mexico</b>	Signature Of Preparer (Optional)
Distributor's Name <b>Interceramic Tile &amp; Stone</b>	Distributor's Telephone Number <b>214-503-5503</b>

## Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS Number	Concentration (%)	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)	Other Limits Recommended
1 <b>Crystalline Silica (Quartz)</b>	<b>7631-86-9</b>	<b>&lt; .5%</b>	<b>10%/SiO<sub>2</sub> +2</b>	<b>0.05</b>	
2 <b>Amorphous Silica (fused)</b>	<b>60676-86-0</b>	<b>62-71</b>	<b>80%/SiO<sub>2</sub></b>	<b>0.1</b>	

## Section III - Physical/Chemical Characteristics

Boiling Point (Specify °F or °C)	<b>not applicable</b>	Specific Gravity (H <sub>2</sub> O = 1)	<b>1.75 - 2.93</b>
Vapor Pressure (mm Hg.)	<b>not applicable</b>	Melting Point	<b>&gt; 2000 °F</b>
Vapor Density (AIR = 1)	<b>not applicable</b>	Evaporation Rate (Butyl Acetate = 1)	<b>not applicable</b>
Solubility In Water <b>Insoluble</b>	Appearance And Odor <b>Brittle solid; color may vary and Odorless</b>		

## Section IV - Fire and Explosion Hazard Data

Flash Point (Include Method Used To Determine) <b>not applicable</b>	Flammable Limits	LEL <b>not applicable</b>	UEL <b>not applicable</b>
Extinguishing Media <b>None required. Non-flammable.</b>			
Special Fire Fighting Procedures <b>None required.</b>			
Unusual Fire And Explosion Hazards <b>None required.</b>			

O+D15

## Section V - Reactivity Data

Unstable	<b>not applicable</b>	Conditions To Avoid
Stable	<b>Stable in current form.</b>	<b>Avoid contact with acids (e.g., acetic, hydrofluoric, etc.)</b>
Incompatibility ( <i>Materials To Avoid</i> ) <b>Avoid contact with acids (e.g., acetic, hydrofluoric, etc.)</b>		
Hazardous Decomposition Or Byproducts <b>Under normal conditions these products do not release hazardous materials after installation.</b>		
Hazardous Polymerization May Occur	<b>not applicable</b>	Conditions To Avoid
Hazardous Polymerization Will Not Occur	<b>Will not occur</b>	<b>Not applicable</b>

## Section VI - Health Hazard Data

Route(s) Of Entry:	Inhalation <b>Yes</b>	Skin? <b>Yes</b>	Ingestion? <b>No</b>
Health Hazards (Acute and Chronic) <b>Acute - Excessive exposure to glass dust can cause eye, skin, and lung irritation from mechanical abrasion. Ingestion is not applicable for intact glass .</b>			
<b>Chronic - Not applicable for intact glass. Excessive exposure to glass dust can cause discomfort and mechanical irritation. Long term exposure to silica dusts can lead to silicosis.</b>			
<b>Carcinogenicity - Respirable crystalline silica (quartz) is classified by International Agency for Research on Cancer (IARC) as a human carcinogen. Intact glass is not believed to be hazardous and limited potential of exposure exists for crystalline silica (quartz) during installation, disposal, and/or if damaged. Crystalline silica is described in ACGIH and NIOSH as being identified in other sources as a suspected human carcinogen; however, fused silica is reported only by ACGIH as a suspected human carcinogen.</b>			
Carcinogenicity:	NTP? <b>Yes</b>	IARC Monographs? <b>Yes</b>	OSHA Regulated? <b>Yes</b>
Signs And Symptoms Of Exposure <b>Excessive exposure to dust can cause eye, skin, and lung irritation from mechanical abrasion. Long term exposure to silica dusts can lead to silicosis.</b>			
Medical Conditions Generally Aggravated By Exposure <b>Existing lung disease may be aggravated after exposure to glass dusts.</b>			
Emergency And First Aid Procedures <b>Skin: Wash dust off any affected area with soap and water.</b> <b>Inhalation: Remove the victim to fresh air if exposed to large amounts of glass cutting dust. Administer artificial respiration if breathing has stopped. Keep victim at rest. Call for prompt medical attention.</b> <b>Ingestion: Not applicable for intact glass.</b> <b>* Have emergency eyewash station available in area where glass are cut.</b>			

## Section VII - Precautions for Safe Handling and Use

Steps To Be Taken In Case Material Is Released Or Spilled <b>Employ closed system and/or local exhaust ventilation. Use wet methods if needed to reduce generation of dust. Use respiratory protection in the absence of engineering controls.</b>
Waste Disposal Method <b>Waste should be disposed of in a landfill certified to accept such materials in accordance with federal, state, and local regulations.</b>
Precautions To Be Taken In Handling And Storing <b>Shelf life is unlimited. Do not store near acids. If glass contact some acids, there is limited potential for leaching heavy metals.</b>
Other Precautions <b>Broken glass could be sharp; therefore, appropriate gloves should be worn if working with broken product.</b>

## Section VIII - Control Measures

Respiratory Protection (Specify Type) <b>Glass should be cut using wet-saw methods. Use of a properly fitted NIOSH/MSHA approved particulate respirator is recommended when cutting glass dry.</b>
Ventilation: <b>Use adequate ventilation to keep exposure to dust below recommended exposure levels. Avoid inhaling dust. The highest probability of silica exposure occurs during dry cutting. Wet cutting methods are recommended.</b>
Eye Protection: <b>Use dust-proof goggles or safety glasses with side shields. Contact lenses may absorb irritants. Do not wear contact lenses in work areas.</b>
Skin Protection: <b>Cotton or leather work gloves should be worn when cutting this product to minimize skin exposure. Wash hands prior to eating, drinking, or smoking, and at the end of the work shift, after cutting operations are conducted.</b>
Other Protective Clothing or Equipment: <b>Note: Personal protection information listed above is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.</b>

## Section VIII - Regulatory Section

<a href="#">Title 22 Division 2, California Code of Regulation Chapter 3</a> (Proposition 65) <b>This product contains chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm however, it is fired near 1200°C, so those chemicals are not released and they are inert under normal conditions of use.</b>
SARA Reporting <b>This glass contains &lt; 0.1 percent by weight each of the following elements which are SARA 313 Recordable: Antimony, Arsenic, Barium, Beryllium, Cadmium, Cobalt, Chromium, Mercury, Manganese, Nickel, Lead, Silver, Thallium, Vanadium, and Zinc.</b>
Department of Transportation (DOT) Regulations <b>Glass is not regulated by DOT.</b>
Toxic Substance Control Act (TSCA) <b>This product and/or its components have been introduced into U.S. commerce and is listed in the Toxic Substance Control Act (TSCA) Inventory of Chemicals in Commerce. Hence, it is subject to all applicable provisions and restrictions under TSCA 40 CFR Section 721 and 723.250.</b>
Other information  National Fire Protection Act Hazard Rating: <b>Health: 0                      Fire: 0                      Reactivity: 0</b> Hazardous Material Information System Rating <b>Health: 0                      Fire: 0                      Reactivity: 0</b>

# Material Safety Data Sheet

U.S. Department of Labor

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

Occupational Safety and Health Administration  
from FORM 174, Sept. 1985 (Non-Mandatory Form)

Adapted

IDENTITY (As Used on Label and List) <b>Glazed Porcelain Tile</b>	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
----------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------

## Section I - Manufacturer & Distributor Information

Manufacturer's Name <b>INTERCERAMIC</b>	Emergency Telephone Number <b>011-521-429-1111 ext 2301</b>
Address (Number, Street, City, State, Country and Postal Code) <b>Internacional de Ceramica S.A de C.V.</b>	Telephone Number For Information <b>011-521-429-1111 ext 2301</b>
<b>Ave. Carlos Pacheco 7200</b> <b>Sector 26</b>	Date Prepared <b>3/5/2007</b>
<b>Chihuahua, Chih. C.P. 31060</b> <b>Mexico</b>	Signature Of Preparer (Optional)
Distributor's Name <b>Interceramic Tile &amp; Stone</b>	Distributor's Telephone Number <b>214-503-5503</b>

## Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS Number	Concentration (%)	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)	Other Limits Recommended
1 <b>Crystalline Silica (Quartz)</b>	<b>7631-86-9</b>	<b>&lt; .5%</b>	<b>10%/SiO2 +2</b>	<b>0.05</b>	
2 <b>Amorphous Silica (fused)</b>	<b>60676-86-0</b>	<b>62-71</b>	<b>80%/SiO2</b>	<b>0.1</b>	

## Section III - Physical/Chemical Characteristics

Boiling Point (Specify °F or °C)	<b>not applicable</b>	Specific Gravity (H <sub>2</sub> O = 1)	<b>1.75 - 2.93</b>
Vapor Pressure (mm Hg.)	<b>not applicable</b>	Melting Point	<b>&gt; 2000 °F</b>
Vapor Density (AIR = 1)	<b>not applicable</b>	Evaporation Rate (Butyl Acetate = 1)	<b>not applicable</b>
Solubility In Water <b>Insoluble</b>	Appearance And Odor <b>Brittle solid; color may vary and Odorless</b>		

## Section IV - Fire and Explosion Hazard Data

Flash Point (Include Method Used To Determine) <b>not applicable</b>	Flammable Limits	LEL <b>not applicable</b>	UEL <b>not applicable</b>
Extinguishing Media <b>None required. Non-flammable.</b>			
Special Fire Fighting Procedures <b>None required.</b>			
Unusual Fire And Explosion Hazards <b>None required.</b>			

O+D15

## Section V - Reactivity Data

Unstable	<b>not applicable</b>	Conditions To Avoid
Stable	<b>Stable in current form.</b>	<b>Avoid contact with acids (e.g., acetic, hydrofluoric, etc.)</b>
Incompatibility ( <i>Materials To Avoid</i> ) <b>Avoid contact with acids (e.g., acetic, hydrofluoric, etc.)</b>		
Hazardous Decomposition Or Byproducts <b>Under normal conditions these products do not release hazardous materials after installation.</b>		
Hazardous Polymerization May Occu	<b>not applicable</b>	Conditions To Avoid
Hazardous Polymerization Will Not Occu	<b>Will not occur</b>	<b>Not applicable</b>

## Section VI - Health Hazard Data

Route(s) Of Entry:	Inhalation <b>Yes</b>	Skin? <b>Yes</b>	Ingestion? <b>No</b>
Health Hazards (Acute and Chronic) <b>Acute - Excessive exposure to tile dust can cause eye, skin, and lung irritation from mechanical abrasion. Ingestion is not applicable for intact tile.</b>			
<b>Chronic - Not applicable for intact tiles. Excessive exposure to tile dust can cause discomfort and mechanical irritation. Long term exposure to silica dusts can lead to silicosis.</b>			
<b>Carcinogenicity - Respirable crystalline silica (quartz) is classified by International Agency for Research on Cancer (IARC) as a human carcinogen. Intact tile is not believed to be hazardous and limited potential of exposure exists for crystalline silica (quartz) during installation, disposal, and/or if damaged. Crystalline silica is described in ACGIH and NIOSH as being identified in other sources as a suspected human carcinogen; however, fused silica is reported only by ACGIH as a suspected human carcinogen.</b>			
Carcinogenicity:	NTP? <b>Yes</b>	IARC Monographs? <b>Yes</b>	OSHA Regulated? <b>Yes</b>
Signs And Symptoms Of Exposure <b>Excessive exposure to tile dust can cause eye, skin, and lung irritation from mechanical abrasion. Long term exposure to silica dusts can lead to silicosis.</b>			
Medical Conditions Generally Aggravated By Exposure <b>Existing lung disease my be aggravated after exposure to tile dusts.</b>			
Emergency And First Aid Procedures <b>Skin: Wash dust off any affected area with soap and water.</b> <b>Inhalation: Remove the victim to fresh air if exposed to large amounts of tile cutting dust. Administer artificial respiration if breathing has stopped. Keep victim at rest. Call for prompt medical attention.</b> <b>Ingestion: Not applicable for intact tiles.</b> <b>* Have emergency eyewash station available in area where tiles are cut.</b>			

## Section VII - Precautions for Safe Handling and Use

Steps To Be Taken In Case Material Is Released Or Spilled <b>Employ closed system and/or local exhaust ventilation. Use wet methods if needed to reduce generation of dust. Use respiratory protection in the absence of engineering controls.</b>
Waste Disposal Method <b>Waste should be disposed of in a landfill certified to accept such materials in accordance with federal, state, and local regulations.</b>
Precautions To Be Taken In Handling And Storing <b>Shelf life is unlimited. Do not store near acids. If tiles contact some acids, there is limited potential for leaching heavy metals.</b>
Other Precautions <b>Broken tile could be sharp; therefore, appropriate gloves should be worn if working with broken product.</b>

## Section VIII - Control Measures

### Respiratory Protection (Specify Type)

**Tiles should be cut using wet-saw methods. Use of a properly fitted NIOSH/MSHA approved particulate respirator is recommended when cutting tiles dry.**

### Ventilation:

**Use adequate ventilation to keep exposure to dust below recommended exposure levels. Avoid inhaling dust. The highest probability of silica exposure occurs during dry cutting. Wet cutting methods are recommended.**

### Eye Protection:

**Use dust-proof goggles or safety glasses with side shields. Contact lenses may absorb irritants. Do not wear contact lenses in work areas.**

### Skin Protection:

**Cotton or leather work gloves should be worn when cutting this product to minimize skin exposure. Wash hands prior to eating, drinking, or smoking, and at the end of the work shift, after cutting operations are conducted.**

### Other Protective Clothing or Equipment:

**Note: Personal protection information listed above is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.**

## Section VIII - Regulatory Section

### Title 22 Division 2, California Code of Regulation Chapter 4 (Proposition 65)

**This product contains a chemical or chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm.**

### SARA Reporting

**This tile contains < 0.1 percent by weight each of the following elements which are SARA 313 Recordable:**

**Antimony, Arsenic, Barium, Beryllium, Cadmium, Cobalt, Chromium, Mercury, Manganese, Nickel, Lead, Silver, Thallium, Vanadium, and Zinc.**

### Department of Transportation (DOT) Regulations

**Tile is not regulated by DOT.**

### Toxic Substance Control Act (TSCA)

**This product and/or its components have been introduced into U.S. commerce and is listed in the Toxic Substance Control Act (TSCA) Inventory of Chemicals in Commerce. Hence, it is subject to all applicable provisions and restrictions under TSCA 40 CFR Section 721 and 723.250.**

### Other information

National Fire Protection Act Hazard Rating:   **Health: 0**                   **Fire: 0**                   **Reactivity: 0**

Hazardous Material Information System Rating   **Health: 0**                   **Fire: 0**                   **Reactivity: 0**