

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

Please Read
Application And
Notes, If Any,
Attached

BUILDING INSPECTION

PERMIT

Permit Number: 081275

This is to certify that OLD PORT HOLDING COLLECTIVE MARGA MANAGEMENT
has permission to Drop 4 sprinkler heads below ceiling 2nd floor 100 sq ft install (2) 1 1/2 min steel fire doors, replace fire damaged ceiling tiles
AT 11 BROWN ST CE 037-1007001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and written permission procured before this building or part thereof is lath or other work is laid-in. 2 HOUR NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. [Signature]

Health Dept. [Signature]

Appeal Board [Signature]

Other [Signature]

Department Name
CITY OF PORTLAND

PERMIT ISSUED
OCT 14 2008

PENALTY FOR REMOVING THIS CARD

Jamie Bowke 10/14/08
Director - Building & Inspection Services

City of Portland, Maine - Building or Use Permit Application
 389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

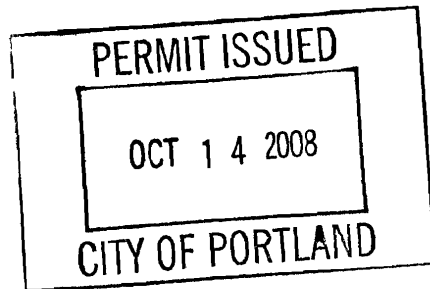
Permit No: 08-1275	Issue Date:	CBL: 037 1007001
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Location of Construction: 11 BROWN ST	Owner Name: OLD PORT HOLDING CO LLC M	Owner Address: 200 GRIFFIN RD STE 1	Phone:
Business Name:	Contractor Name: Tiger Hartman	Contractor Address: 70 Champlin Ridge Rochester	Phone: 6038282011
Lessee/Buyer's Name	Phone:	Permit Type: Alterations - Commercial	Zone: B3

Past Use: Commercial - "Margarita's"	Proposed Use: Commercial - "Margarita's" - Drop 4 sprinkler heads below ceiling 2nd fl baths/hall, install (2) 90 min steel fire doors, replace fire damaged ceiling tiles	Permit Fee: \$60.00	Cost of Work: \$4,000.00	CEO District: 1
Proposed Project Description: Drop 4 sprinkler heads below ceiling 2nd fl baths/hall, install (2) 90 min steel fire doors, replace fire damaged ceiling tiles		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <i>See conditions</i>	INSPECTION: Use Group: A2 Type: IBL-2003	
		Signature: <i>Greg Cross</i>	Signature: <i>JMB 10/14/08</i>	
PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)				
Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied				
Signature: _____ Date: _____				

Permit Taken By: ldobson	Date Applied For: 10/09/2008	Zoning Approval
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<ol style="list-style-type: none"> This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. Building permits do not include plumbing, septic or electrical work. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work.. 	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: <i>JMB 10/10/08</i>	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date: _____	Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: <i>JMB</i>
	<i>ALL Interior WORK</i>		



CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

to schedule your inspections as agreed upon

Permits expire in 6 months, if the project is not started or ceases for 6 months.

The Owner or their designee is required to notify the inspections office for the following inspections and provide adequate notice. Notice must be called in 48-72 hours in advance in order to schedule an inspection:

By initializing at each inspection time, you are agreeing that you understand the inspection procedure and additional fees from a "Stop Work Order" and "Stop Work Order Release" will be incurred if the procedure is not followed as stated below.

A Pre-construction Meeting will take place upon receipt of your building permit.

Framing/Rough Plumbing/Electrical: Prior to Any Insulating or drywalling

Final inspection required at completion of work.

Certificate of Occupancy is not required for certain projects. Your inspector can advise you if your project requires a Certificate of Occupancy. All projects DO require a final inspection.

If any of the inspections do not occur, the project cannot go on to the next phase, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.

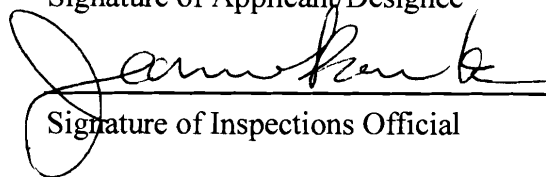
CERIFICATE OF OCCUPANICES MUST BE ISSUED AND PAID FOR, BEFORE THE SPACE MAY BE OCCUPIED.



Signature of Applicant/Designee

10-14-08

Date



Signature of Inspections Official

10/14/08

Date

City of Portland, Maine - Building or Use Permit

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 08-1275	Date Applied For: 10/09/2008	CBL: 037 I007001
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Location of Construction: 11 BROWN ST	Owner Name: OLD PORT HOLDING CO LLC M	Owner Address: 200 GRIFFIN RD STE 1	Phone:
Business Name:	Contractor Name: Tiger Hartman	Contractor Address: 70 Champlin Ridge Rochester	Phone: (603) 828-2011
Lessee/Buyer's Name	Phone:	Permit Type: Alterations - Commercial	

Proposed Use: Commercial - "Margarita's" - Drop 4 sprinkler heads below ceiling 2nd fl baths/hall, install (2) 90 min steel fire doors, replace fire damaged ceiling tiles	Proposed Project Description: Drop 4 sprinkler heads below ceiling 2nd fl baths/hall, install (2) 90 min steel fire doors, replace fire damaged ceiling tiles
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Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Jeanine Bourke **Approval Date:** 10/10/2008

Note: **Ok to Issue:**

- 1) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.

Dept: Building **Status:** Approved with Conditions **Reviewer:** Jeanine Bourke **Approval Date:** 10/10/2008

Note: **Ok to Issue:**

- 1) Any structural repairs as a result of the fire shall be applied for and reviewed separately
- 2) Separate permits are required for any electrical, plumbing, or HVAC systems. Separate plans may need to be submitted for approval as a part of this process.
- 3) Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work.

Dept: Fire **Status:** Approved with Conditions **Reviewer:** **Approval Date:** 10/14/2008

Note: **Ok to Issue:**

- 1) Sprinkler protection shall be maintained.
Where the system is to be shut down for maintenance or repair, the system shall be checked at the end of each day to insure the system has been placed back in service.
- 2) Occupancies with an occupant load of 100 persons or more require panic hardware on all doors serving as a means of egress.
- 3) The Fire alarm and Sprinkler systems shall be reviewed by a licensed contractor[s] for code compliance. Compliance letters are required.
- 4) The sprinkler system shall be installed in accordance with NFPA 13.

Comments:

10/10/2008-jmb: this was expedited due to permit after fire and re-opening of establishment



General Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: <u>11 Brown St</u>		
Total Square Footage of Proposed Structure/Area	Square Footage of Lot	Number of Stories
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# <u>37</u> <u>I</u> <u>7</u>	Applicant * must be owner, Lessee or Buyer * Name <u>Tiger Hartman</u> Address <u>70 Champlin Ridge</u> City, State & Zip <u>Rochester NH 03867</u>	Telephone: <u>603-824-2011</u>
Lessee/DBA (If Applicable)	Owner (if different from Applicant) Name Address City, State & Zip	Cost Of Work: \$ <u>4000⁰⁰</u> C of O Fee: \$ _____ Total Fee: \$ _____
Current legal use (i.e. single family) <u>MARGARITA'S</u> Number of Residential Units _____ If vacant, what was the previous use? _____ Proposed Specific use: _____ Is property part of a subdivision? _____ If yes, please name _____ Project description: <u>dropping sprinkler heads below ceiling 4 total</u> <u>installing 2 fire steel doors + replacing ceiling in upper bedrooms from fire</u> <u>50 min fire rating</u> <u>damage</u>		
Contractor's name: <u>Tiger Hartman</u> Address: <u>70 Champlin Ridge</u> City, State & Zip <u>Rochester NH 03867</u> Telephone: <u>603-824-2011</u> Who should we contact when the permit is ready: <u>Tiger Hartman</u> Telephone: <u>603-824-2011</u> Mailing address: _____		

Please submit all of the information outlined on the applicable Checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at www.portlandmaine.gov, or stop by the Inspections Division office, room 315 City Hall or call 874-8703.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature:	Date: <u>Oct 8, 08</u>
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OCT 9 2008

This is not a permit; you may not commence ANY work until the permit is issue

Tiger,

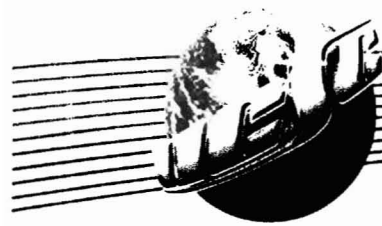
You had mentioned that the Fire Marshal was looking for something from us stating that the system up there was to code. The system has been in place for the last 20+ years and even recently saved the building. Our feeling is that the system is adequate. I believe the area in question is the second floor ceiling, there are upright sprinklers above areas of strapping. If the system is needed we do feel that the strapping will not impede the flow of water. Again, this building has been inspected annually (I believe) from the local Fire Department and never come into question. If the Fire Marshal feels that this area would need further coverage I would suggest hiring a Fire Protection Engineer to look at the situation. If additional coverage ends up being required the entire system will need to be re-calculated to make sure it could handle the additional flow of water.

Respectfully,

Bill Plamondon, Operations Manager
ASAP Fire & Safety Corporation

Letter content was scanned by WinAntiVirus Pro 2007.
No threat detected.
Please visit www.winantivirus.com for more details.

*FYI - Greg
The sprinklers did not activate in area
of the strapping (lattice) in the dining area.
The fire was contained in the 2nd FL
baths/hall area where there was dropped
ceilings & sheetrock. JMB*



* FYI - previously installed (last year)
 purely ~~as~~ an insulation layer
 in concealed space
 above 2nd FL
 2' 6" Hts

Durafill™ 0.5
 7-Polyurethane Spray Foam
 Open-Cell Insulation
 Technical Datasheet: 11/27/06

Description

Durafill spray polyurethane foam insulation is an open-cell, two-component, low-density, water-blown system specifically designed for insulation applications. This technically advanced, economical insulation system provides improved occupant comfort, a cleaner indoor environment, greater noise reduction and superior energy savings over conventional insulation systems.

Unique Properties

Durafill spray polyurethane foam insulation expands 120:1 from its liquid state, filling cracks, voids, crevices and building cavities to provide a climate controlled building by mitigating airflow through and within walls (infiltration and exfiltration), heat and cold transfer (also referred to as thermal conductivity), moisture accumulation in the building materials (reducing the chance for mold and mildew) and minimizing transfer of sound.

Recommended Uses

- Insulation for residential, commercial and industrial structures.

Environmental Consideration and Substrate

Temperatures

Applicators must recognize and anticipate climatic conditions prior to application to ensure highest quality foam and to maximize yield. Ambient air and substrate temperatures, moisture, and wind velocity are all critical factors, variations in ambient air and substrate

temperature will influence the chemical reaction of the two components, directly affecting the expansion rate, amount of rise, yield, adhesion and the resultant physical properties of the foam insulation. To obtain optimum results, Durafill should be spray-applied to substrates when ambient air and surface temperatures fall within a range of 50°F to 120°F. All substrates to be sprayed must be dry at the time of application. Moisture in the form of rain, fog, frost, dew, or high humidity (>85% R.H.) will react chemically with the mixed components, adversely affecting the polyurethane foam formation, dimensional stability, and physical properties of the finished product. Wind velocities in excess of 12 miles per hour may result in excessive loss of exotherm and interfere with the mixing efficiency of the spray gun affecting foam surface texture, cure, physical properties, and will cause overspray. Precautions must be taken to prevent damage to adjacent areas from fugitive overspray.

Processing Equipment

Material in containers should be maintained in the 65°F to 85°F range. Heated trailers, hotboxes, or heated tank storage may be necessary. Material temperature should be confirmed with a thermometer or an infrared gun if calibrated for drum material. Durafill should be mixed once a day with a high-speed mixer for 30 to 45 minutes prior to application. UCSC recommends the use of a through-bung mixer equipped with three (3) sets of mixing blades: (2) six inch and (1) eight inch. To properly drive the mixer, 20cfm of air is preferred. Using less air pressure may require extended mixing times. A thorough high-speed mix is an essential step in high quality foam production. (continued)

Typical Physical Properties

Foam Physical Properties

Fungus Resistance:	ASTM G-21	Rating of "0"
"K" Factor:	ASTM C-518	0.284 BTU-in/ft ² -h-°F
"R" Value:	ASTM C-518	3.52 per inch
Air Leakage:	ASTM E-283	.02 CFM/ft ²
Sound Transmission Coefficient	ASTM E-90	51 (STC)
Noise Reduction Coefficient:	ASTM C-423	0.7 (NRC)
Oxygen Index:	ASTM D-2863	25
Compressive Strength:	ASTM D-1621	.88 pcf
Apparent Density:	ASTM D-1622	5 pcf
Open Cell Content:	ASTM D-2856	>92%
Tensile Strength:	ASTM D-1623	3 psi
Shear Strength:	ASTM C-273	1.4 psi
Permeance:	ASTM E-96	14.51 perms
Permeability:	ASTM E-96	16.42 perm-in

Wet Physical Properties

Mix Ratio:	1:1 A/B by Volume
Cream Time:	1-3 seconds
Gel Time:	3-5 seconds
Tack Free Time:	5-7 seconds

Viscosity at 75°F:	A: 190 cps B: 225 cps
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Shelf Life:	90 Days @ 70°F
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Application

Pre-heater Temperature:	"A" and "B" 120-140°F
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Hose Temperature:	"A" and "B" 120-140°F
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Pressures:	1200-1800 psi *(dynamic)
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*Dependant upon hose length

Test values may vary depending on type of equipment, equipment settings and environmental conditions.

Durafill™ 0.5

Credentials/Certifications

Durafill is available in a Class I and II formulation, as set forth under Underwriters Laboratories (UL 723, ASTM E-84), and possess the flammability characteristics below:

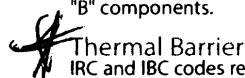
	ASTM Method	Class I	Class II	Class III
Underwriters Laboratories UL 723, Surface Burning Characteristics	E-84 Tunnel Test			
Flame Spread		≤25	≤75	Non-rated
Smoke Development		≤450	≤450	Non-rated

Processing Equipment (continued)

Do not configure equipment to recirculate Durafill from proportioner back into drum. Do not recirculate or mix other suppliers' A or B component into Durafill containers. 2:1 transfer pumps are recommended for material transfer from container to the proportioner.

The plural component proportioner must be capable of supplying each component within ± 2% of the desired 1:1 mixing ratio by volume. Hose heaters should be set to deliver 120°F - 140°F materials to the spray gun. Proportioner dynamic pressures should be 1300-1500 psi range. These settings will ensure thorough mixing in the spray gun mix chamber in typical applications. Optimum hose pressure and temperature may vary as a function of the type of equipment, ambient and substrate conditions, and the specific application. It is the responsibility of the applicator to properly interpret equipment technical literature, particularly information that relates acceptable combinations of gun chamber size, proportioner output, and material pressures. The relationship between proper chamber size and the capacity of the proportioner's pre-heater is critical. Mechanical purge spray guns (specifically direct impingement or DI type) are recommended over air purge guns for highest foam quality. Contact your local UCSC salesperson for specific recommendations, pricing, and availability of spray and auxiliary equipment.

CAUTION: Extreme care must be taken when removing and reinstalling drum transfer pumps so as NOT to reverse the "A" and "B" components.



Thermal Barrier

IRC and IBC codes require that SPF be separated from the interior of a building by a thermal barrier, which is applied over SPF to slow thermal rise during a fire, and delay its involvement in a fire. A building code definition of an approved thermal barrier is one that is equal in fire resistance to 1/2 inch gypsum board. Thermal barriers limit the temperature rise of the underlying SPF to not more than 121°C (250°F) after 15 minutes of fire exposure in compliance with ASTM-E119 (Test Methods for Fire Tests of Building Construction Materials). Thermal barriers meeting this criterion are termed a "15 minute thermal barrier" or classified as having an "index of 15". UCSC recommends that an approved thermal barrier separate Durafill from the building interior unless waived by a local building code official. There are exceptions to the thermal barrier requirement: (1) Code authorities may approve coverings based on fire tests specific to the SPF application. For example, covering systems that successfully pass large scale tests may be approved by code authorities in lieu of a thermal barrier; (2) SPF protected by 1" thick masonry does not need a thermal barrier. Certain materials that offer protection from ignition, called "ignition barriers," may not be considered as thermal barrier alternatives unless they comply with ASTM E-119. Just because a material is advertised as a "thermal barrier" or "ignition barrier" does not mean that it has been tested in conjunction with SPF and approved by a code agency or a local code official. Applicators should request test data and code body approvals or other written indications of acceptability under the code to be sure that the product selected offers code-compliant protection.

Vapor Retarder

Durafill is intended for indoor applications, and is not a vapor retarder. It is vapor permeable and will allow some diffusion of moisture through the insulation. The following considerations are needed: (1) A vapor retarder needs to be considered in the design of the building envelope in cold climates, such as zones 6 and higher in the U.S., as defined in 2004 Supplement To The IRC, Table N1101.2; (2) A vapor retarder also needs to be considered where high interior humidity conditions exist; (3) When applying Durafill in crawl spaces under living space, the underside of floor system may require the application of vapor retarder primer to prevent moisture diffusion into the flooring system. This is a concern when applying in warm, humid counties as defined in 2004 Supplement To The IRC, Table N1101.2.1; (4) The applicator should consider a vapor retarder in crawl space applications with hardwood floors, which may be damaged by moisture intrusion. Crawl space applications may require a thermal barrier between the foam and wood flooring, depending upon local codes. Where exposed rim joist applications are approved, vapor retarder criteria must be strictly adhered to for successful application. Refer to local codes and manufacturer's written specifications to ensure compliance.

Exothermic Caution

SPF liquid to cellular plastic transition depends upon an exothermic (heat-producing) reaction between the "A" and "B" components. Applicators should limit Durafill thickness to 4" to 6" per pass to avoid fire hazards resulting from excessive heat generation. If subsequent passes are needed, applicators should wait 10 to 15 minutes between passes to allow reaction heat to dissipate. The exothermic reaction can cause temporary substrate thermal rises in excess of 150°F, which may result in substrate thermal expansion. If the substrate then contracts when the reaction heat dissipates, substrate deformation can occur.

Handling and Safety

Respiratory protection is MANDATORY! Contact UCSC Ltd. for a copy of the Model Respiratory Protection Program developed by API or visit their website at www.polyurethane.org. Persons with known respiratory allergies should avoid exposure to the A component. The A component contains reactive isocyanates groups while the B component contains amine and/or organometallic catalysts with blowing agents. Both materials must be handled and used with adequate ventilation. The vapors must not exceed the TLV (0.02 parts per million) for isocyanates. Avoid breathing vapors. Wear a NIOSH approved respirator. If inhalation of vapors occurs, remove victim from contaminated area and administer oxygen if breathing is difficult. Call a physician immediately. Avoid contact with skin, eyes, and clothing. Open containers carefully, allowing any pressure to be relieved slowly and safely. Wear chemical safety goggles and rubber gloves when handling or working with these materials. In case of eye contact, immediately flush with large amounts of water for at least fifteen minutes, consult a physician immediately. In case of skin contact, wash area with soap and water. Wash clothes before reuse.

Fire Hazard

Fires involving either of these components may be extinguished with carbon dioxide, dry chemical, or inert gas. Application of large quantities of water spray is recommended for spill fires. Personnel fighting the fire must be equipped with NIOSH approved self-contained breathing apparatus.

Cleaning of Spills or Leakage

Cover the area with an inert absorbent material such as clay or vermiculite and transfer to metal waste containers. Saturate with water but do not seal the container with the isocyanates and water mixture. The area should then be flushed with large amounts of water, in the case of the B component, or a 5% aqueous ammonia, in the case of the A component. Dispose of these materials in compliance with federal, state and local regulations.

Caution: Isocyanates will react with water and generate carbon dioxide. This could result in rupture of closed containers.

Disclaimer

The data presented herein is not intended for use by nonprofessional applicators, or those persons who do not purchase or utilize this product in the normal course of their business. The potential user must perform any pertinent tests in order to determine the product's performance and suitability in the intended application, since final determination of fitness of the product for any particular use is the responsibility of the buyer.

All guarantees and warranties as to products supplied by UCSC shall have only those guarantees and warranties expressed by the manufacturer. Buyer's sole remedy as to any material claims will be against the manufacturer of the product. The aforementioned data on this product is to be used as a guide and is subject to change without notice. The information herein is believed to be reliable, but unknown risks may be present. **NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING PATENT WARRANTIES OR WARRANTIES OF MERCHANTABILITY OR FITNESS FOR USE, ARE MADE BY UCSC WITH RESPECT TO PRODUCTS OR INFORMATION SET FORTH HEREIN.** Nothing contained herein shall constitute a permission or recommendation to practice any invention covered by a patent without a license from the owner of the patent. Accordingly, buyer assumes all risks whatsoever as to the use of these materials and buyer's exclusive remedy as to any breach of warranty, negligence, or other claim shall be limited to the purchase price of the materials. Failure to adhere to any recommended procedures shall relieve UCSC and the manufacturer of all liability with respect to the materials and their use thereof.



P.O. Box 6460
Phoenix, AZ 85005

Call 800-BUY-UCSC (1-800-289-8272) toll-free
602-269-9711 direct
602-269-9115 fax
info@buyucsc.com email
www.buyucsc.com



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My Arm
Change Co

COMMERCIAL CEILINGS & WALLS | USA & Canada

Knowledge & Inspiration

Products

Sustainable Design

Specs & Technical

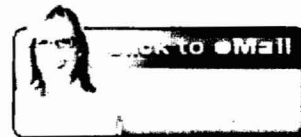
Mineral Fiber

Ceramaguard
Cirrus
Dune
Endura
Fine Fissured
Mesa
School Zone Fine Fissured
Ultima
Ultima Vector

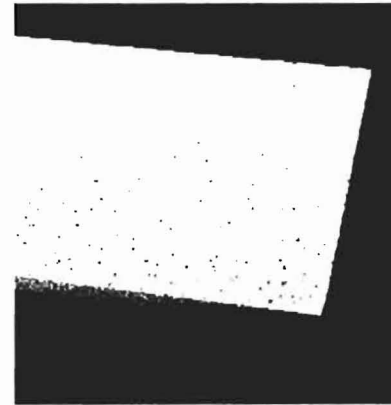
Fiberglass

Optima Capz
Optima Custom Sizes
Optima Open Plan
Optima Plank
TechZone

View all Mineral Fiber & Fiberglass



or call 1-877-ARMSTRONG

**Cortega Tile & Lay-In
Item #823**

> Enlarge
> View Room Scene

TOOLBOX

CSI Spec Form
View Data Page
View MSDS
Installation Instructions
Warranty
Request Sample
Request Literature

**Item # 823****VISUAL SELECTION**

Dimensions: 24 x 48 x 5/8 IN
Grid Face: 15/16 IN
Edge Profile: Square Lay-In
Download dwg for

Available Colors:

White

PERFORMANCE SELECTION

Acoustics NRC: 0.55
Acoustics CAC: 35
Acoustics AC: N/A
Fire Resist/ Flame spread: Fire Resistive
Light Reflect: 0.82
Humidity Resistance: Standard
Anti-microbial: Standard
VOC Formaldehyde: Low
Recycling Program: Y

**PHYSICAL DATA**

Material: Mineral Fiber, We
Texture: Medium
Pattern: No Pattern
Surface Finish: Factory applied la
Weight: 1.09 (lbs/sqft)
Sqft (Sqft/Carton): 64.0
ASTM Classification: Type: III, Form: 2
Insulation Value: R Factor-BTU: 1.5
Watts: 0.26 WAT
Recycled Content: 32-51%

Per Table
803.5 IBC
Class C Allowed or III
AMB

Hardware Friendly (Y/N): N

i-Ceilings Compatible: Wireless Systems

RECOMMENDED GRID SYSTEMS

Com

Prelude XL Fire Guard 15/16" Exposed

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Armstrong World Industries P.O. Box 3001 Lancaster, PA 17604

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FOODSERVICE PLAN

RESTAURANT LAYOUT

