



Installation Instructions

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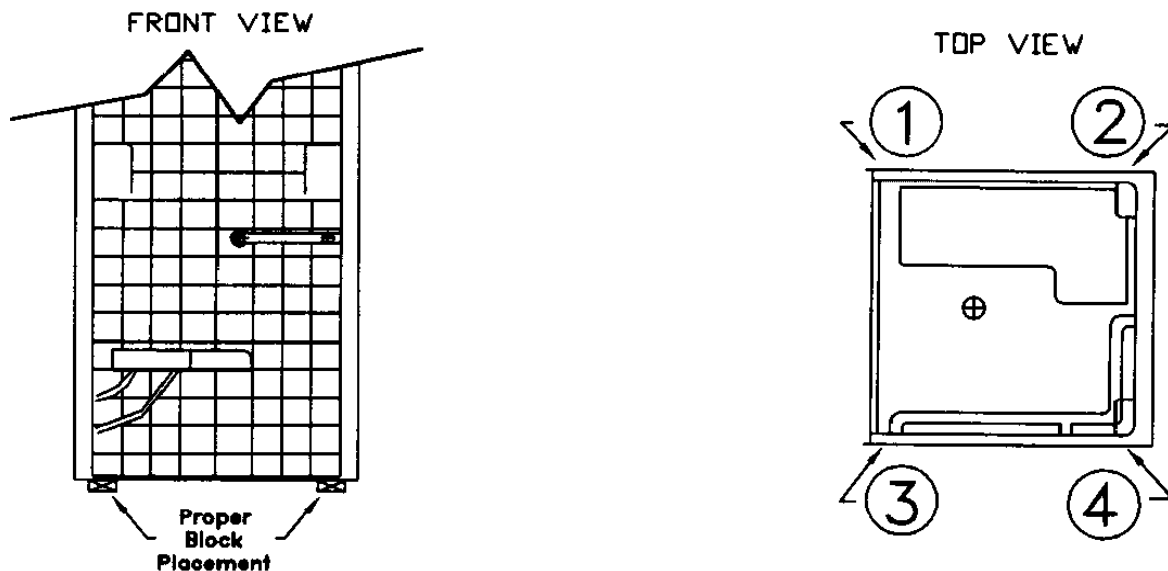
- Storage & Handling Instructions
- **Installation Instructions**
- Care and Cleaning Information
- Warranty Information

NOTE: IF YOU ARE INSTALLING RETURN FLANGE MODELS (XST3938BF, XST4036BF, XST5038BF) IT IS YOUR RESPONSIBILITY TO ALERT GC & DRYWALL CONTRACTOR OF ATTACHED SPECIAL INSTALLATION DETAILS INCLUDED IN THIS PACKET.

STORAGE AND HANDLING

1. Most handling damage is the result of impact blows to the back side of the fiberglass units.
2. Stress cracks can develop when shipping boards are removed before unit is positioned for final installation in bathroom.
3. Placing objects inside of tub can cause scratches, abrasions or nicks to the gelcoat surface.
4. Storing units outside right-side up can cause the sunlight to discolor the gelcoat finish. Also, unit becomes unstable and is easily knocked over by wind or bumping.
5. The back side of a fiberglass unit is not water proof. Unit must be stored so that water will drain off of unit and not accumulate in any one spot. Water can permeate the back laminates and soak the glassed in wood or cardboard supports causing bulges in the gelcoat surface.
6. Never drag a fiberglass unit on any surface. Always transport the unit by hand using (2) people or a two-wheel dolly.
7. Never let a fiberglass unit drop from any height, not even an inch.
8. Never clean fiberglass gelcoat surface with metal tools of any kind, including razors.

**** VERY IMPORTANT FOR MODIFIED THRESHOLD UNITS:**



Modified threshold gelcoat barrier free shower stalls: Any gelcoat shower stall with less than a 2" threshold has to be stored and installed with care. During storage this unit should not sit as it was received. It should be stored with a 2" x 4" block of some other type of material at each of the (4) points numbered above in the top view. Units having altered threshold heights do not have wooden bottoms to reinforce the floors. By placing the unit on some type of block, the drain will not rest on the floor. This will allow the draft of the floor to be maintained without the weight of the shower unit pushing the drain upward. The block should only be placed at the outside corner edges of the unit and should not be placed under the middle of the threshold. For installation instructions, refer to modified threshold height gelcoat unit installation. This procedure should only be used during storage and not during installation.



NON-RECESSING SHOWER UNIT INSTALLATION PREPARATION

For all non-recessing Gel-coat floor flush shower stalls with low profile bottoms:

OFF LOADING & HANDLING INSTRUCTIONS: To prevent damage to the shower unit while off loading & transporting to a storage location, do not drag the units to the rear of the truck. The units should be lifted clear of the opening of the truck and lowered down manually or with lift **NOT DROPPED**. The correct position the units should be in when sliding them off the rear of the truck is with the wood protection strips in contact with the rear opening of the truck. **Do not slide on back side of unit as this can cause hairline cracks in the finish.**

DAMAGE TO UNITS: Report all damage or missing items immediately by calling us before refusing the units so the plant can make a determination if the units can be repaired at the site, and by noting this on the bill of lading in detail with serial #.

ADA Models: XST3699BF.5, XST3838BF1.25, XST3938BF.5, XST4036BF.5, XSS6233BF.75, XST6333BF.75, XST6437BF.75, XST6337BF1.25

Easy Living Models: XST4836BF.5, XST5038BF.5

Attention GC & Drywall Contractors: Models with 90 degree return flanges (XST3938BF, XST4036BF, XST5038BF) **See drywall installations page in this packet.**

Attention Framing Contractors: Check the stud opening for correct dimensions. Add ¼" to stud opening width to allow adequate wiggle room to insert shower into stud opening. See Framing and Dry wall Illustration page.

Attention Plumbing Contractors: This installation procedure is not similar to pit recessed barrier-free shower installations you may have performed in the past. The floor setting and slope draining tolerances are much tighter with little or no margin for error. By reviewing and following written and illustration procedures, you will insure a successful installation to allow the shower to perform properly, qualify for warranty, & to pass inspection.

Core drill: The shower drain must be centered in a core drill or cut out in the floor. The drain area should rest slightly below finished floor level. All barrier free units require 8"- 10" core drill. This core drill must be ½" deep on the perimeter & does not have to penetrate the full thickness of the floor. *Multi-story buildings: After installing drain pipe, pack area around drain pipe temporarily with common insulation to prevent mud spill damage to shower or floor on lower levels. The core drill area should be filled according to fire code later.*

Non-traditional Plumbing tools and materials required:

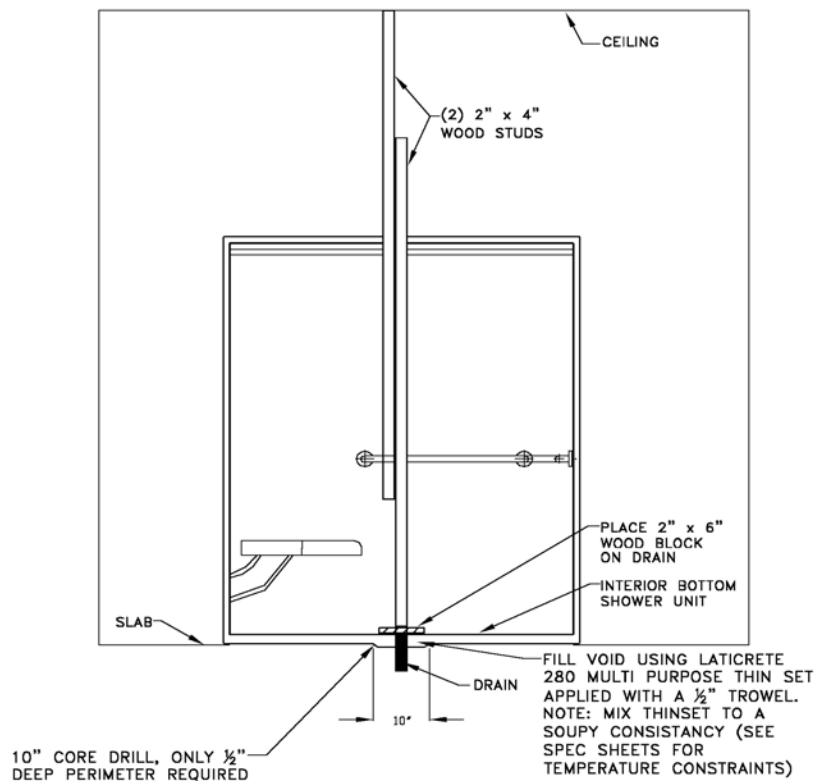
1. ½" notched towel
2. Multi-purpose thin-set: 50lb bag of Laticrete #280 or similar. Approx. 1-2 bags per depending on the size of unit.
3. For local Laticrete distributor call 1-800-243-4788. : (see attached spec sheet)
4. 2 x 4 studs: approx. 2 per shower to make up ceiling brace and wedge block.
5. Wood stud screws: # 12 x 2 ½" pan head Phillips
6. Metal stud screws: self tapping # 10 x 1 ¼" pan head Phillips
7. 5 gallon water bucket
8. Wheel barrow & shovel
9. Wood shims

NON-RECESSING SHOWER UNIT INSTALLATION

Note: We recommend that you conduct a demonstration requiring all installers to participate in for the 1st shower unit installation to ensure the remainder are installed properly.

1. Remove Protective wood strips used for shipping purposes.
2. Remove the donut seal from the drain until unit is set.
3. Install no-caulk drain by tilting the shower against the stud wall. Do not install drain until unit is being immediately installed. Shower unit should never be stood up right on flat floor surface with the drain attached. This will warp unit and may void warranty.
4. Prepare the drainpipe to receive the drain.
5. Clean the floor and underside of the shower.
6. Mix prepare "Thin Set" non-shrinking bedding compound into a thin soup like slurry.
7. Apply a shovel full at a time with 1/2" notched trowel estimating the amount needed to fill the small void between the floor and the unit.
Note: The void can be as little as 1/16" in some areas. Excessive bedding compound will create high spots pushing the floor up causing the units to drain improperly.
8. Move shower to staging position in front of framing pocket, leaning the shower toward you. Temporary wood strips can be placed on the floor to allow the shower to slide into the pocket with less force. Slide the unit in while tilted toward you until front edge of threshold is close to its permanent position.
9. Stand shower up right. Use a hammer handle to align drain.
10. Check the threshold to make certain it has remained flat and has not bowed. If it is bowed, reset unit removing excess mud. An additional brace can be used.
11. Plumb and level shower unit. Check floor for high spots or flexing due to voids by walking or jumping on the floor of the showers.
Note: If the floor is flexing, pull the unit up and add slurry. Should the barrier free threshold bow up in the middle on the front edge, check for excessive slurry or a tight framing pocket.
12. Secure the unit to the studs. Use self-tapping screws. **DO NOT USE NAILS.**
13. Prepare and install ceiling brace: Measure and install 2 x 4 brace between ceiling and a wedge block placed directly over the center of the drain, being careful not to scratch or damage the unit (See illustration). Carefully hammer and wedge brace into upright position pushing the drain area down into it proper position to achieve the correct slope ensuring proper drainage.
14. Test the floor slope for proper drainage around the perimeter of the drain with a plumbers level or by pouring water around the perimeter of shower floor. If the floor is firm with positive slope to the drain, your warranty is in tact, you can now leave the shower.
15. Remove the brace after the "Thin Set" has cured, (12-24 hours) checking the floor again for high spots to ensure the slope has not been violated.

Note: All units are thoroughly tested in the plant to ensure its ability to drain water. Several tests are performed on each unit prior to it leaving the factory. Failure to follow the attached handling instructions and above installation procedures may cause improper drainage thus voiding the unit's warranty. It is advised that all curb-less shower units should be fitted with water dam accessories such as a weighted curtain and/or collapsible or semi-permanent dam if the bath environment is not designed with an outside drain to catch any over spray of water that may escape the unit.





XST6030BFKD & XST6030SHKD Installation Instructions

Note: Your unit will be shipped bolted together for shipping purposes. Disassemble unit. If you have access to the back of the unit you may use the shipping nuts & bolts to reassemble the unit, or if you do not have access, a bag of self locking studs will be provided.

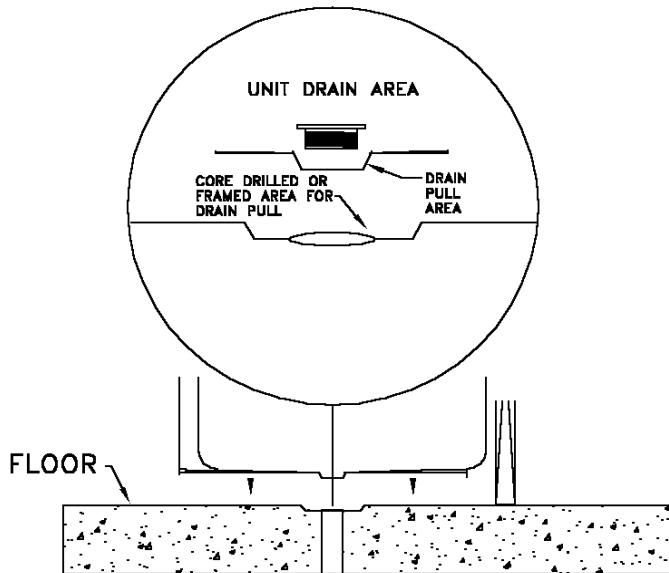
| | |
|--|--|
| Step 1 | Gut/Clean out former tub area capping off tub spout. |
| Step 2 | Measure the area intended for installation to ensure that the unit is the correct hand and size for the area. |
| Step 3 | Complete framing. Always have a framing member behind all vertical & horizontal nailing flanges. Make sure framing is plumb & square. |
| Note if you are installing the XST6030BFKD1.0 you have the choice of removing the 1st layer of subfloor in the tub area only or placing the unit directly on the existing floor & raising the bathroom finished flooring 1/2" to achieve curbless entry. | |
| Step 4 | If replacing a bath tub, remove complete 1 ½" drain including P-trap and waste & overflow, if not, a 10" diameter opening in the floor should be provided for all units to permit clearance for 2" drain & P-trap. |
| Step 5 | Replace or realign valve if necessary. |
| Step 6 | Measure for center of drain location using a plumb bob. |
| Step 7 | Configure new 2" drain & trap for shower using center mark location to ensure drain is centered. |
| Step 8 | Install no caulk shower drain onto shower base using plumbers putty & wrench, careful not to over-tighten. |
| Step 9 | Mix up Laticrete thin set slurry mix to a wet consistency. For both the 4" threshold (now recommended) & the barrier free. See slurry mix details explained in the 1 piece no recess model instructions in this packet. |
| Step 10 | Apply to subfloor with ½" notched trowel. Be sure not to apply too much as this will bow the unit. |

Note: If you are installing using the self locking studs, at this point you will need to push a minimum of one self locking alignment stud through the bottom middle bolt hole in the center of the base horizontal mating flange so that it is pointing up.

| | |
|---------|---|
| Step 11 | Set base in place positioning drain over drain pipe. Mark drain pipe where it needs to be cut to proper height (flush with top of no caulk donut) |
| Step 12 | Lift base back out & cut drain at marked location. Inspect to make sure bedding compound is making contact with base of unit. If it is not then add more mix or if too much then remove compound. |
| Step 13 | Set base back into place. |
| Step 14 | Step all over base of unit allowing compound to make contact and ooze out, level base during this procedure drilling holes & screwing flange to framing studs. Shim where necessary to fill voids between flange & studs. |
| Step 15 | Push self locking studs (minimum of 3) thru back wall vertical flange so they are pointing toward the side walls they will be receiving. |
| Step 16 | Be sure to caulk inner edges of shower walls where they join at each point that a piece is assembled. The caulk should be continuous between the inside edge of the seam and the holes that are drilled. This should be included where each section is joined. |
| Step 17 | Place back wall onto base aligning with center pin, do not yet snap into place until side walls are in place and are snapped to the back wall. All walls are to snap down on to the base at the same time. (Note if there is not already a horizontal grab bar mounted on this back wall, you may want to install one before installing wall for ease of handling.) |
| Step 18 | Shim if necessary & level unit drill & screw horizontal nailing flange to wood studs. |
| Step 19 | Be sure to caulk inner edges of shower walls where they join at each point that a piece is assembled. |
| Step 20 | slide side wall opposite drain aligning locking studs until it snaps into place. |
| Step 21 | Shim if necessary & level wall section drill & screw horizontal & vertical nailing flanges to wood studs. |

| | |
|---------|---|
| Step 22 | For side wall on valve side determine location of valve & outlet penetration thru wall & on inside unit apply duct tape where the cut/drill will be made so as to prevent gel-coat from chipping then cut/drill to fit. |
| Step 23 | Be sure to caulk inner edges of shower walls where they join at each point that a piece is assembled. |
| Step 24 | Slide wall aligning locking studs until it snaps into place. |
| Step 25 | Shim if necessary & level wall section drill & screw horizontal & vertical nailing flanges to wood studs. |
| Step 26 | Apply bead of caulk to fill all seams, wiping excess with clean rag. |
| Step 27 | Allow 12 hours curing time prior to shower use. |

COMFORT DESIGNS INSTALLATION DATA



In order to ensure proper draining of the unit, it is advised to 1) core drill a diameter of 10" at a depth of 1/2" on a concrete surface or 2) box out a diameter of 10" at a depth of 1/2" around the drain pipe. Following these instructions will allow the floor surface of the unit to maintain its draft and allow the unit to drain properly. This is absolutely necessary to allow for the depth of the drain pull that may go below the bottom of the threshold of the unit.

CROSS SECTION OF THRESHOLDS

Models
 XSS3698BF.5
 XST3699BF.5
 XST3600BF.5
 XST3938BF.5
 XST4036BF.5
 XST4836BF.5
 XST5038BF.5

Models
 XST6333BF.75
 XST6437BF.75

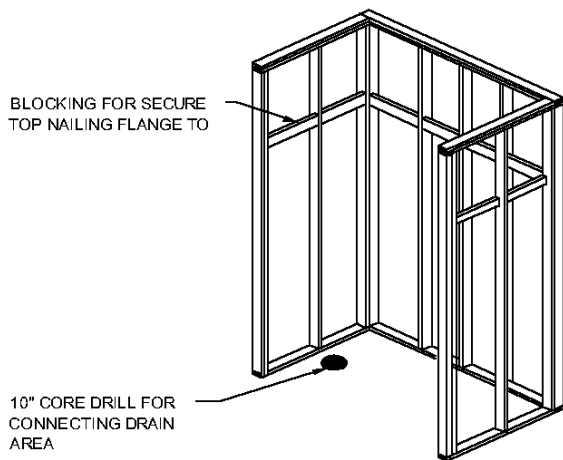
Models
 XSS6233.75

Models
 XST6337BF1.25

Comfort Designs

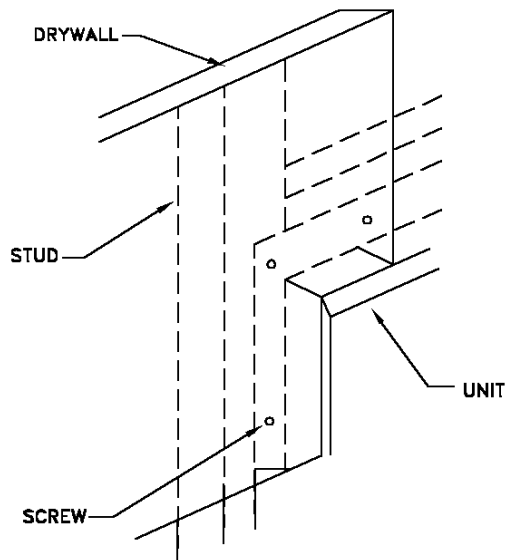
Gelcoat Framing Coordination For Barrier Free Curbless Showers

Rough In Pocket



ADD 1/4" TO MODEL ROUGH IN DIMENSIONS TO ALLOW FOR WIGGLE ROOM. (SEE MODEL SPEC SHEET FOR ROUGH IN DIMENSIONS)

Drywall Installation

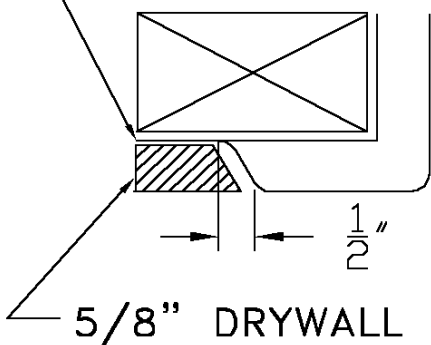


DRYWALL RETURN FLANGE INSTALLATION DETAIL

MODELS XST3938, XST4036, XST5038

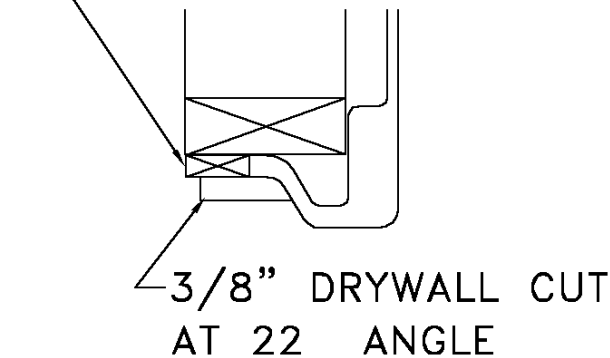
THESE UNITS ARE DESIGNED WITH A RECESS RECEIVER RETURN FLANGE. THIS FLANGE IS AT AN ANGLE. THIS WILL ALLOW THE DRYWALL TO BE CUT AT AN ANGLE AND WILL CONCEAL THE JOINT BETTER AS WELL AS CREATE A CLEAN INSTALLATION. THE DRYWALL SHEET BEING INSTALLED WILL BE CUT WITH AN ANGLE 1/2" BACK FROM THE FRONT CORNER TO THE BACK OF THE DRYWALL SHEET. DEPENDING ON THE SIZE OF THE TRANSITION WALL, STUDS MAY REQUIRE 1/4" WOOD SHIMMS TO ALLOW SMOOTH LEVEL SHEET ROCK TRANSITION TO THE FLANGE. (SEE ALTERNATE DRAWING BELOW.)

NAILING FLANGE
APPROX. 1/4" FIBERGLASS



METHOD #1
(Standard)

3/8" WOOD FILLER
STRIPS ADDED



METHOD #2
(Alternate)



LATICRETE® 280 Floor Thin-Set Mortar

Data Sheet 259.4

1. PRODUCT NAME

LATICRETE® 280 Floor Thin-Set Mortar

2. MANUFACTURER

LATICRETE International, Inc.
1 LATICRETE Park North
Bethany CT 06524-3423 USA
Telephone: (203) 393-0010 ext. 235
Toll Free: (800) 243-4788 ext. 235
FAX: (203) 393-1684
Fax on Demand: (800) 359-3297
Internet: www.laticrete.com

3. PRODUCT DESCRIPTION

LATICRETE® 280 Floor Thin-Set Mortar is an economical bagged cementitious powder to be mixed with either water or latex admixtures for installing ceramic tile and natural stone using the thin-set method of installation.

Uses

Designed for use with large format tiles, it is formulated for high build and to reduce lippage.

Suitable Substrates

- Concrete
- Ceramic Tile and Stones*
- Concrete Masonry
- Brick Masonry
- Exterior Grade Plywood (Interior Only) **
- Cement Mortar Beds
- Cement Backer Board
- Cement Plaster
- Cement Terrazzo*

*When mixed with LATICRETE 3701 Mortar Admix.

** When mixed with LATICRETE 333 Super Flexible Mortar Additive.

Packaging

50 lb. (22.7 kg) bags, 54 bags per pallet
Colors: White and Grey

Coverage

Approximately 70-80ft² (6.3-7.2 m²) with 1/4" x 1/4" (6mm x 6 mm) square notch trowel.

Approximately 50-60 ft² (4.5-5.4 m²) with 1/4" x 3/8" (6mm x 9mm) square notch trowel.

Shelf Life - Factory sealed containers of this product are guaranteed to be of first quality for one (1) year* if stored off the ground in a dry area.

*High humidity will reduce the shelf life of bagged product.

Limitations

- Not for walls.
- Do not use over plywood unless mixed with LATICRETE 333 Super Flexible Mortar Additive.
- Industry standards recommend the use of latex admix for exterior installations. Use LATICRETE 3701 Mortar Admix for best results.
- Use LATAPOXY 300 Epoxy Adhesive for green marble or water sensitive natural stone and agglomerates.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproof membranes. When a waterproof membrane is required, use a LATICRETE Waterproof Membrane (see Section 10 Filing Systems).
- Marble and other Natural Stone Flexural Strength Requirement: Where marble and other natural stone is to be installed, the substrate deflection under all live and dead loads shall not exceed L/720 (L = span length).

Cautions

- Protect finished work from traffic or damage by other trades for an extended period of time during cold weather conditions. At room temperature conditions 70°F (20°C), protect overnight.

- Contains Portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children.

4. TECHNICAL DATA

Applicable Standard

- ANSI A118.1- 1992
- ANSI A118.4- 1992

Performance Properties

LATICRETE 280 mixed with LATICRETE 3701 Mortar Admix

| Test/Test Method | Results |
|--|---------------------|
| Shear Bond, Porcelain Tile, 28 day cure ANSI A118.4-1992; F-5.2.4 | 350 psi (2.4 MPa) |
| Shear Bond, Porcelain Tile, Water immersion ANSI A118.4-1992; F-5.2.3 | 250 psi (1.7 MPa) |
| Shear Bond, Water Absorption ANSI A118.6- 1992 H-4.4 | 4% max. |
| Compressive Strength ANSI A118.4-1992; F-6.1 | 3300 psi (22.8 MPa) |
| TCA Service Rating ASTM C-627 | Extra Heavy |

LATICRETE 280 mixed with Water

| Test/Test Method | Results |
|--|---------------------|
| Shear Bond, Porcelain Tile, 28 day cure ANSI A118.1-1992; C-5.2.4 | 225 psi (1.6 MPa) |
| Shear Bond, Porcelain Tile, Water immersion ANSI A118.1-1992; C-5.2.3 | 150 psi (1 MPa) |
| Shear Bond, Water Absorption ANSI A118.6- 1992 H-4.4 | 14% |
| Compressive Strength ANSI A118.4-1992; F-6.1(modified) | 3000 psi (20.7 MPa) |

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

Working Properties

LATICRETE 280 Mixed with LATICRETE 3701 Mortar Admix (70°F(21°C))

| | |
|-----------------------|---|
| Open Time | 35 minutes |
| Pot Life | 4 hours |
| Time to Heavy Traffic | 24 hours |
| Wet Density | 112 lbs/ft ³ (1800 kg/m ³) |

LATICRETE 280 Mixed with Water (70°F(21°C))

| | |
|-----------------------|---|
| Open Time | 35 minutes |
| Pot Life | 4 hours |
| Time to Heavy Traffic | 24 hours |
| Wet Density | 116 lbs/ft ³ (1860 kg/m ³) |

5. INSTALLATION

Surface Preparation

All surfaces should be between 40°F(4°C) and 90°F(32°C) and structurally sound, clean and free of all dirt, oil, grease, loose peeling paint, concrete sealers or curing compounds. Rough or uneven concrete surfaces should be made smooth with LATICRETE Latex Portland Cement underlayment to provide a wood float (or better) finish. Dry, dusty concrete slabs or masonry should be dampened and excess water swept off. Installation may be made on a damp surface. New concrete slabs shall be damp cured and 28 days old before application.

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Data sheets are subject to change without notice, for latest revision check our website at www.laticrete.com

*All slabs must be plumb and true to within 1/4"(6mm) in 10 ft(3m). Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate. Follow ANSI Specification AN-3.8 "Requirements for Expansion Joints" or TCA Detail EJ171 "Expansion Joints". Do not cover expansion joints with mortar. Glass Mesh Mortar Unit: follow TCA installation detail W244.

Interior plywood floors must be minimum two (2) layers of 5/8" (15mm) exterior grade plywood on bridged floor joists (16"(400mm) oc) with a maximum deflection of 1/360 of the span. Securely fasten in accordance with industry standards. Joints in the top layer should be offset from the joints in the bottom layer of plywood. Maintain a 1/8" (3mm) gap between plywood sheets and all surfaces which they abut. Refer to LATICRETE Technical Data Sheet 152 (refer to section 10, Filing systems).

*No minimum cure time required for concrete slabs when thin-set mortar is mixed with latex additive.

Mixing - Stir LATICRETE 280 thoroughly before use.

Place clean, potable water or a LATICRETE latex admix into a clean pail. Add LATICRETE 280 powder. Use approximately 1.5-2 gallons (5.7-7.6l) of water for 50 lbs (22.7 kg) of powder.

Note: For improved bond strength, flexibility and for exterior installations use LATICRETE 3701. For interior installations to plywood use LATICRETE 333 Super Flexible Mortar Additive. For rapid "Open to Traffic" installations use LATICRETE 101 Rapid Set Latex Admix. Mix by hand or with a slow speed mixer to a smooth, trowelable consistency. Allow mortar to slake for 5-10 minutes. Adjust consistency if necessary. Remix and apply with the proper sized notched trowel.

Application - Apply mortar to the substrate with the flat side of the trowel, pressing firmly to work into surface. Comb on additional mortar with the notched side. Note: Use the proper sized notched trowel to insure full bedding of the tile. Spread as much mortar as can be covered with tile in 10 minutes. Back butter large tiles (> 8"x8") to provide full bedding and firm support. Place tiles into wet, sticky mortar and beat in using a beating block and rubber mallet to imbed tile and adjust level. Check mortar for complete coverage by periodically removing a tile and inspecting bedding mortar transfer onto back of tile. If mortar is skinned over (not sticky), remove and replace with fresh mortar.

Grouting - Grout installation after a minimum of 24 hours curing time at 70°F(21°C). Grout with LATICRETE 1500 or 1600 Tri-Poly Fortified Grout or LATICRETE Sanded or Unsanded Grout mixed with LATICRETE 1776 Grout Admix Plus. For maximum stain resistance use LATAPOXY SP-100 Stainless Epoxy Grout.

when surface temperature is below freezing or when substrate is frozen.

Hot Weather Note: The evaporation of moisture in Portland cement mortars is accelerated by hot, dry conditions. Apply to dampened surfaces and protect freshly spread mortar and finished work when installing in temperatures over 95°F (35°C).

Cleaning - Clean tools and tile work with water while mortar is fresh.

6. AVAILABILITY AND COST

Availability

LATICRETE and LATAPOXY® materials are available worldwide. For distributor information, call:

Toll Free: (800) 243-4788

Telephone: (203) 393-0015

For on-line distributor information, visit LATICRETE at www.LATICRETE.com.

Cost - Contact a LATICRETE/LATAPOXY Distributor in your area.

7. WARRANTY

LATICRETE® 280 Floor Thin-Set Mortar is guaranteed by the manufacturer not to break down, deteriorate or disintegrate under normal usage for a period of one (1) year* from date of installation. Contact manufacturer for full details.

*High humidity will reduce the shelf life of bagged product.

8. MAINTENANCE

LATICRETE and LATAPOXY grouts require routine cleaning with a neutral pH soap and water. All other LATICRETE and LATAPOXY materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

9. TECHNICAL SERVICES

Technical assistance

Information is available by calling the LATICRETE Technical Service Hotline

(hours 8:00 AM to 5:30 PM EST):

Toll Free: (800) 243-4788 ext. 235

Telephone: (203) 393-0015 ext. 235

FAX: (203) 393-1948

Technical and safety literature

To receive data via fax 24 hours 7 days, call:

- (800) 359-3297 or (203) 393-0015, ext. 360

- To receive a Material Safety Data Sheet, enter Fax on Demand code **8028**.

10. FILING SYSTEM

Additional product information available upon request:

DS 231.0: LATICRETE 3701 Mortar Admix,
(Fax On Demand Code (2310))

DS 266.0: LATICRETE 333 Super Flexible Mortar
Additive, Fax On Demand Code (2660)

DS 264.0: LATICRETE 101 Rapid Set Latex Admix
(Fax On Demand Code (2640))

DS 236.0: LATICRETE 9235 Waterproof Membrane
(Fax On Demand Code (2360))

DS 230.12: LATICRETE 5 Year Systems Guarantee
(Fax On Demand Code 3012)



**Globally proven.
Professionally endorsed.**

LATICRETE INTERNATIONAL, INC.

1 LATICRETE PARK NORTH • BETHANY, CT 06524-3423 USA

TELEPHONE (203) 393-0010 • TOLL FREE (800) 243-4788

TELEFAX (203) 393-1684 • FAX ON DEMAND: (800) 359-3297

WWW: <http://laticrete.com>

Cold Weather Note: The setting of Portland cement mortars and grouts are retarded by low temperatures. Protect finished work for an extended period when installing in cold weather. For faster setting mortar use LATICRETE 3701 with LATICRETE 259 Rapid Flex or LATICRETE Thin-Sets with LATICRETE 101 Rapid Set Latex Admixture. Do not set tile



Care and Cleaning of Gel coat Units

Do not use abrasive cleaners that may scratch and dull the surface of the unit. To clean the unit after installation, use warm water and one of the stronger liquid detergents, such as: Top Job, Liquid Ajax or Mr. Clean. Use these liquid detergents for normal day-to-day cleaning also.

Plaster can be removed with a nylon or polypropylene scrubber. Do not use steel wool, metal scraper, wire brushes or other metal tools. One of the powder type detergents, such as Spic & Span, may be used on a damp cloth to provide mild abrasive action to remove residue plaster. Minor stains can be removed with a household strength ammonia or bleach.

A periodic scrub down with a gel gloss or a dishwashing detergent (wear rubber gloves) will usually remove any soap or mineral deposits. Periodic waxing with an automotive polish followed by a light application of liquid wax, such as Johnson's' Jubilee will add luster and preserve the finish.

Lighted smoking materials will leave burn marks on fiberglass products. Rubbing the affected area with an automotive type body-polishing compound, such as Dupont no. 7, followed by an automotive body wax, such as Simonize, can often repair this or other similar damages. More severe burns require careful sanding with 400-600 grit wet carborundum sandpaper and a final rub out with automotive polishing compound and wax.

Extensive damage can be completely repaired. A professional service repairman in your area should perform such repair work. If local service is not available, or if you need further assistance contact CDI. Repair kits with gel coat included may be purchased through customer service by calling 1-800-801-2820.

If the unit received has a painted applied textured floor please use the box that contained the unit as a mat in the unit while doing any plumbing in the unit. This will protect the painted surface and reduce clean up to a minimum. If dirt does get on the painted surface use any liquid cleaner (Liquid Ajax, Pine Sol, etc.) to clean it safely without jeopardizing the textured surface.



WARRANTY INFORMATION

The products manufactured by Praxis Industries and sold by Comfort Designs, Inc. are under warranty for a period of **three (3) years** on gel coat and **five (5) years** on acrylic products. This warranty applies to the materials and the workmanship of the product.

If the product shall prove to have material defects, manufacturing defects or other labor defects, during the warranty period, it shall be repaired or replaced at the discretion of the warranty department of Praxis Industries.

EXEPTIONS:

1. This warranty shall not apply to incorrect operating procedures, breakage or damage caused by neglect, improper maintenance, abuse, misuse, alterations, alteration or modification to the unit by the buyer or anyone representing the buyer. It will not cover chemical corrosion, natural corrosion, fire or any other act by the force of nature.
2. The buyer of this product is fully responsible for the proper installation of this unit. CDI will not be held responsible for any damages resulting from improper installation.
3. This warranty does not apply to any equipment or accessories not installed by Praxis and we will not be held liable for any results of such acts.
4. CDI is not responsible for any consequential or incidental mishaps, inconvenience, time loss, incidental expense, material or labor related to the implementation of hardware or the actual tub.
5. All warranty will be implemented at the discretion of the Praxis warranty department upon the summation and evaluation of the circumstances involving the product in question.

For any questions or requests contact our warranty department at:

1-800-443-7269

Or by writing to:

**Praxis Warranty Department
435 Industrial Road
Savannah, TN 38372**