

SECTION 22 42 23

COMMERCIAL CAST POLYMER SHOWER PANS

This section includes editing notes to assist the user in editing the section to suit project requirements. These notes are included as hidden text, and can be revealed or hidden by the following method in Microsoft Word:

Display the FILE tab on the ribbon, click OPTIONS, then DISPLAY. Select or deselect HIDDEN TEXT.

GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Cultured marble shower pans.
- B. Related Requirements:
 - 1. Division 01 - General Requirements: Administrative, procedural, and temporary work requirements.
 - 2. Section 06 61 19 - Cultured Marble Shower Surrounds.
 - 3. Section [07 92 00 - Joint Sealers.] [__ __ - ____.]
 - 4. Section [22 40 00 - Plumbing Fixtures.] [__ __ - ____.]

1.2 REFERENCES

- A. ASTM International (ASTM) F462 - Standard Consumer Safety Specification for Slip-Resistant Bathing Facilities.
- B. CSA Group / International Association of Plumbing and Mechanical Officials (CSA/IAPMO) B45.5-11 / Z124-11 - Plastic Plumbing Fixtures.

1.3 ADMINISTRATIVE REQUIREMENTS

- A. Pre-Installation Conference:
 - 1. Convene at Project site [2] [__] weeks prior to beginning work of this Section.
 - 2. Attendance: [Architect,] [Contractor,] [Construction Manager,] [Design Builder,] shower pan installer, and related trades.
 - 3. Review and discuss: Surrounding construction, shower pan installation, plumbing installation, and protection after completion.

1.4 SUBMITTALS

- A. Action Submittals:
 - 1. Shop Drawings: Indicate shower pan locations, plans, dimensions, and relationship to adjacent construction.
 - 2. Product Data: Manufacturer's descriptive data including materials, finishes, and accessories.
 - 3. Samples: [6 x 6] [__ x __] inch samples showing pan color and finish.
- B. Informational Submittals:
 - 1. Certificate of Compliance: Certification from an independent testing laboratory that shower pans meet specified requirements.
- C. Closeout Submittals:
 - 1. Maintenance Data: Recommended cleaning products and procedures.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: Minimum [2] [__] years experience in work of this Section.

- B. Mockup:
 1. Size: One full-size shower pan.
 2. Show: Shower surround, adjacent construction, and plumbing fixtures and trim.
 3. Locate [where directed.] [____.]
 4. Approved mockup may remain as part of the Work.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Deliver components in manufacturer's original, unopened containers. Do not remove until just prior to installation.

1.7 WARRANTY

- A. Furnish manufacturer's 10 year limited warranty against product defects.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Contract Documents are based on products by MPL Company, 800-466-7465, www.mplcompany.net.
- B. Substitutions: [Refer to Division 01.] [Not permitted.]

2.2 MATERIALS

- A. Shower Pans:
 1. Material: Cultured marble, one piece.
 2. Coefficient of friction: Minimum 0.40, tested to ASTM F462.
 3. Trench drain test: Meet requirements of CSA B45.5-11/IAPMO Z124-11.
 4. Standard drain test: Meet requirements of CSA B45.5-11/IAPMO Z124-11.
 5. Color: [____.] [To be selected from manufacturer's full color range.]
 6. Pan style: Corner, [48 x 36] [54 x 34] [60 x 32] [60 x 36] inches.

**** OR ****

- 7. Pan style: Center, [36 x 36] [42 x 36] [48 x 33.5] [48 x 34] [48 x 36] [54 x 34] [60 x 30] [60 x 32] [60 x 34] [60 x 36] [60 x 42] [72 x 34] inches.

**** OR ****

- 8. Pan style: Offset [left,] [right,] [54 x 36 inches, 9 inch offset.] [56 x 37 inches, 10 inch offset.] [60 x 30 inches, 5.5 inch offset.] [60 x 30 inches, 8.5 inch offset.] [60 x 32 inches, 5.5 inch offset.] [60 x 32 inches, 9 inch offset, 60 x 34 inches, 8.5 inch offset.] [60 x 36 inches, 16.5 inch offset.] [72 x 34 inches, 4.5 inch offset.]

**** OR ****

- 9. Pan style, trench [left,] [right,] [48 x 36] [60 x 30] [60 x 32] [60 x 34] [60 x 36] [66 x 34] [72 x 34] [60 x 30 x 34 curved] inches.

**** OR ****

- 10. Pan style: [Transfer.] [ADA roll-in.] [42 x 42 neo angle.]

**** OR ****

- 11. Pan style: Curved front, [[60 x 30 x 36 inches,] [left,] [right,]] [60 x 30 x 34 inch with trench.]

2.3 ACCESSORIES

- A. Adhesive: Type recommended by shower pan manufacturer.
- B. Joint Sealer: Type recommended by shower pan manufacturer.
- C. Thin-Set Mortar: Type recommended by shower pan manufacturer.

2.4 MIXES

- A. Thin-Set Mortar: Mix in accordance with manufacturer's instructions.

PART 3 EXECUTION

3.1 PREPARATION

- A. Clean areas to receive shower pans; remove dust and debris that could cause shower pans to rock.
- B. Check floors for level side-to-side, front-to-back, and corner-to-corner. Place shims as necessary.

3.2 INSTALLATION

- A. Install shower pans in accordance with manufacturer's instructions and approved Shop Drawings.
- B. Dry fit pans before attaching drain:
 - 1. Check for level and make any required adjustments.
 - 2. Check drain location and size.
 - 3. Remove base and install drain assembly into pan.
- C. Apply thin-set mortar using 1/4 x 1/4 inch notched trowel, in sufficient amount to fill voids and fully support pan.
- D. Place pan onto shims and mortar bed.
- E. Place protection onto pan, then stand on base to firmly set base into mortar bed.
- F. Allow mortar bed to cure.
- G. Ensure that wall substrate is held 1 inch above pan flange.
- H. Front Curb Installation:
 - 1. Determine required finished height of curb, considering thickness of finish flooring material.
 - 2. Measure left-to-right inside dimension; cut curb to required length.
 - 3. Place curb on floor in front of shower pan with tapered vertical side towards pan; shim to required height.
 - 4. Check that curb is level left-to-right, with slight slope inward towards pan.
 - 5. Scribe line onto tapered vertical side of curb, then cut to scribe line.
 - 6. Dry fit curb onto front of shower pan. Make scribe cuts to ensure proper fit.
 - 7. If necessary, cut vertical side on outside of curb to required height.
 - 8. Place liberal bead of joint sealer on underside of curb that rests on shower pan, and liberal bead of construction adhesive on underside of curb that rests on floor, outside of shower pan.
 - 9. Set curb firmly at required location.
 - 10. Allow 24 hours for joint sealer and adhesive to cure.
 - 11. Apply joint sealer around perimeter seams.

3.3 CLEANING

- A. Clean pans of excess joint sealer, adhesive, and foreign matter.

3.4 PROTECTION

- A. Protect pans from damage using nonstaining coverings. Do not remove until just prior to final cleaning.

END OF SECTION