

Fireplace Installation Guidelines

General Information

PentalQuartz provides a beautiful and durable surface for a wide variety of applications. PentalQuartz can provide a lasting and low maintenance surface for various types of wall cladding and fireplace surround installations if the proper methods of fabrication and installation are followed by a properly trained professional. This instructional bulletin will provide details and guidelines for the proper fabrication and installation of PentalQuartz in fireplace surround applications.

PentalQuartz should only be fabricated and installed by a professionally trained stone fabricator and/or installer. A detailed knowledge of the properties of PentalQuartz and the proper installation practices will reduce the probability of any improper installation.

PentalQuartz provides these guidelines to stone fabricators and installers as a guideline for fireplace surround applications. Due to the wide variety of specific circumstances that can potentially exist in any specific situation PentalQuartz takes no responsibility for design, fabrication, or installation of materials. PentalQuartz is designed as countertop or finishing material only and in no way should be used as any type of structural support

Requirements

- PentalQuartz should never be used as structural support in an installation. Installer must confirm that adequate structural support exists.
- All designs must allow for thermal expansion and contraction of PentalQuartz material.
- Appropriate clearance between PentalQuartz and all surrounding walls, cabinets and structures should be maintained. Minimum 1/8" clearance should be maintained.
- PentalQuartz should never be in direct contact with the firebox or any surface that may exceed 250°F at any time.
- PentalQuartz should never be exposed to ambient temperatures that may exceed 250°F at any time.

Seaming

- Seaming for PentalQuartz when used as a surround for a fireplace should be done only using 100% silicone.
- Seams should be a minimum of 1/8" wide.
- Seams should be placed at inside corners to avoid potential weak points in the surface and allow for thermal movement.