VICOSTONE
The Art of Quartz

HOT OR COLD CUTOUTS

Hot or cold cutouts require special treatment including insulation, equipment support, etc.

- Minimum 1/4" radius.
- Smooth or hone around the interior of the cutout to remove cut lines and chipping. Minimum 120 grit diamond is recommended.
- Ease top and bottom edges.
- Cutouts must be at least 2" apart.
- The design of a hot and cold cutout must include space for insulation and additional equipment support.
- Use supports to isolate the weight of a drop-in food well from the Vicostone.
- Install support for the cutout within 2" of the edge of the cutout.
- Minimize heat transfer (hot or cold) by installing insulation. Two layers of 1/8" thick insulation is recommended.
- Provide a minimum gap of 1/8" between appliance and edge of cutout to allow for the expansion/contraction of the tray or appliance.

ADJACENT HOT AND COLD CUTOUTS

Ideally, hot wells and cold wells should be separated by at least 12", with a flexible expansion joint between wells. Typical design: 1/8" gap between sheet edges, filled with silicone sealant.

There may be situations when the client will not accept exposed expansion joints. In these cases, joints can be covered with PVC "T" molding, flat strips, custom made Vicostone strips, etc. Attach the cover strips with silicone.

While the use of flexible expansion joints is highly recommended, it is acceptable to omit this feature if Vicostone is insulated from both the hot and cold temperature equipment. Three or more layers of 1/8" thick insulation is recommended if flexible expansion joints are not used.

Note: Hold insulation in place using 4 mil aluminum conductive tape. Do not fold tape onto surface of Vicostone. Do not allow foil tape to create a heat transfer path directly to the Vicostone. Wrap tape onto support for tray or appliance.

SUPPORTING SEAMS

Vicostone seams require structural support. The structural support needs to be flush with the supporting substructure. Local codes may dictate which support material may be used. Typical support materials include cabinetry, wood, plywood, and steel.
Note: Underlayment support materials should be moisture resistant.

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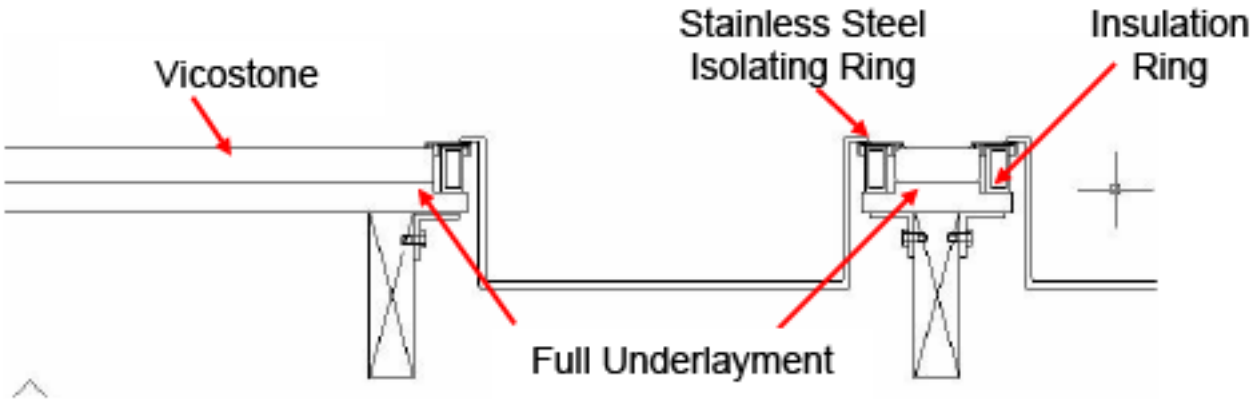
EXAMPLE

1 Completed installation overview.

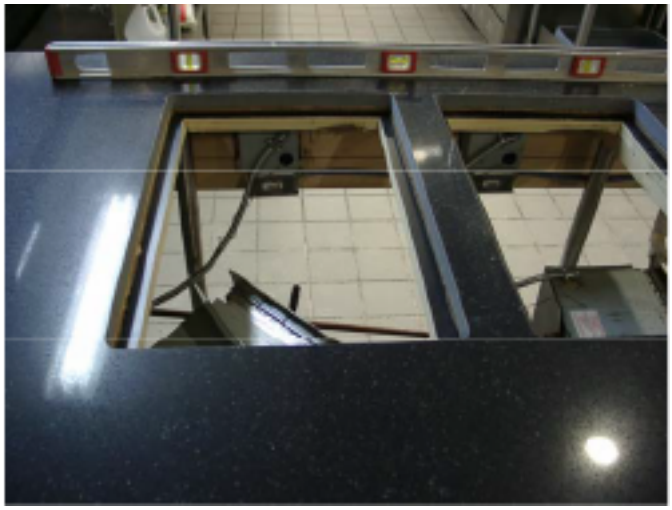
2 Cross-sectional drawing of installed hot wells.



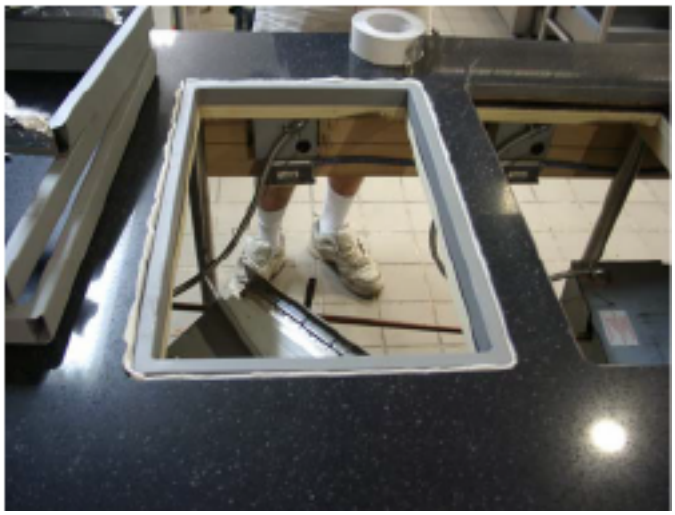
3 Full underlayment supports.

4 Support beams between cut-outs.

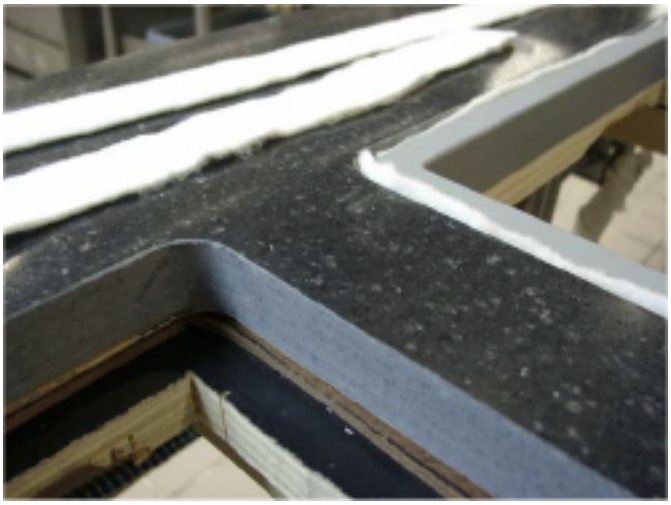
5 Support structure should be level to fully support to the Vicostone.



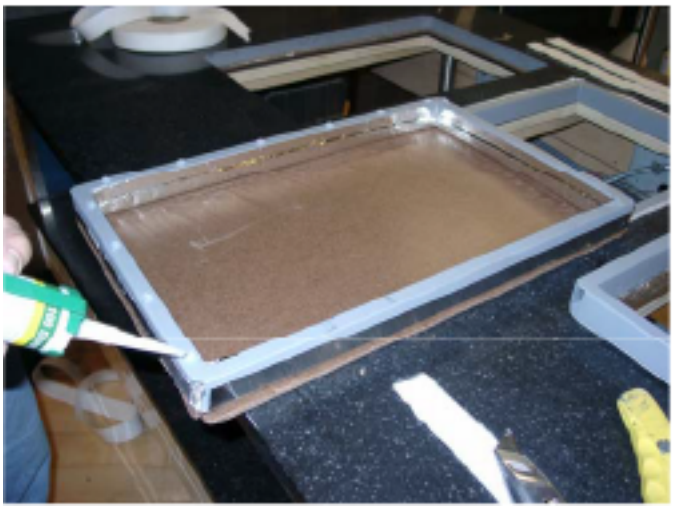
6 Hollow metal insulation rings support equipment from underlayment. Rings provide some insulation due to hollow air-filled chamber.



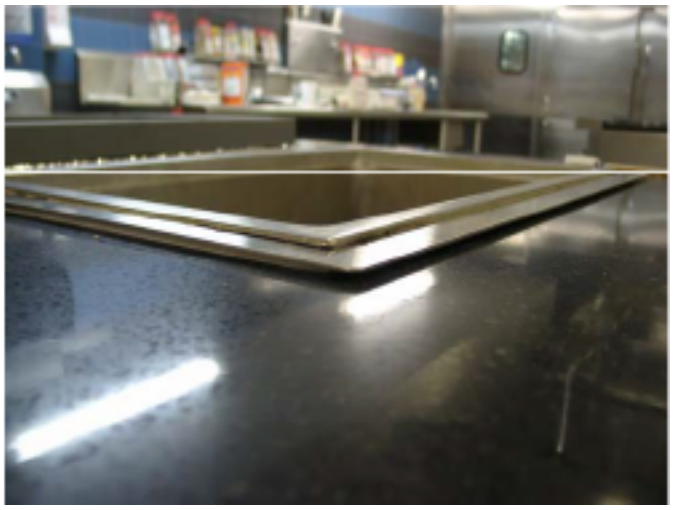
7 1/8” thick insulation used to fill space around perimeter of metal insulation rings.



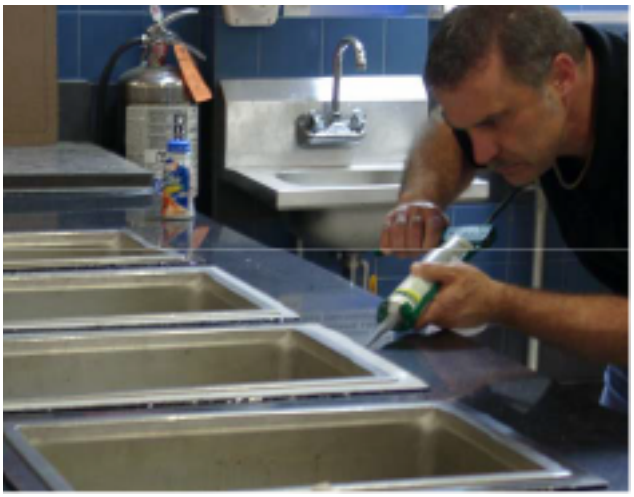
8 Dabs of silicone on bottom of insulation frames.



9 Equipment dry fit on installed frame. There should be a vertical gap of approximately 0.22” between equipment isolating ring and Vicostone surface.



10 Food service pans used to properly position Stainless Steel isolating rings.



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11 Pan loaded with weight to compress assembly into silicone.