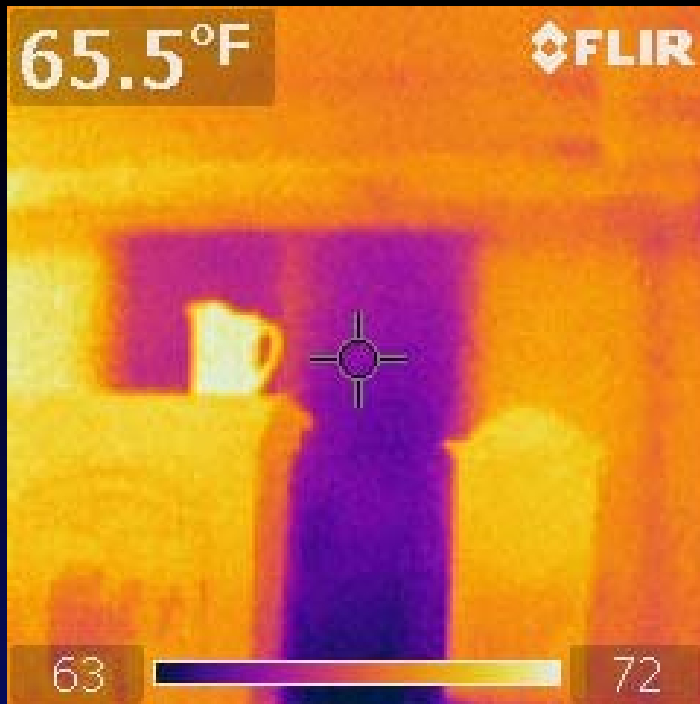


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Partition wall between Dining Room and Garage.

(Winter)

This home was insulated with fiberglass and before the sheetrock could be installed, the batting in this wall blew out due to high winds in the area. The crew installing the sheet rock did not take the initiative to put the insulation back in place before covering this section

Demilec's spray foam insulation will not blow away in normal conditions

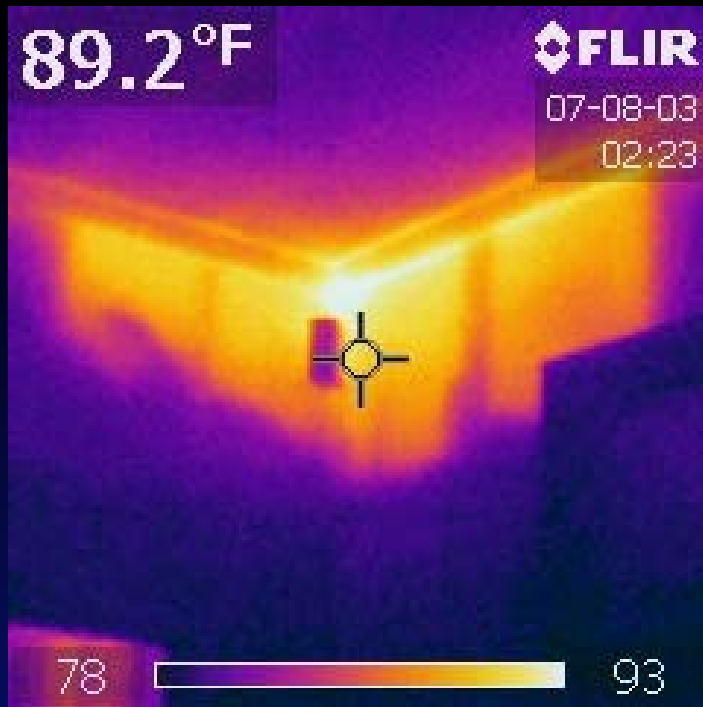


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Knee Wall in Living Room

(Summer)

This is a knee wall extending up two feet to give the room a more open feel; however, over time the fiberglass began to fall away from the wall placing an increased heat load on this room.

Using Demilec's foam insulation will remain in place for the life of the home totally eliminating this issue in the future

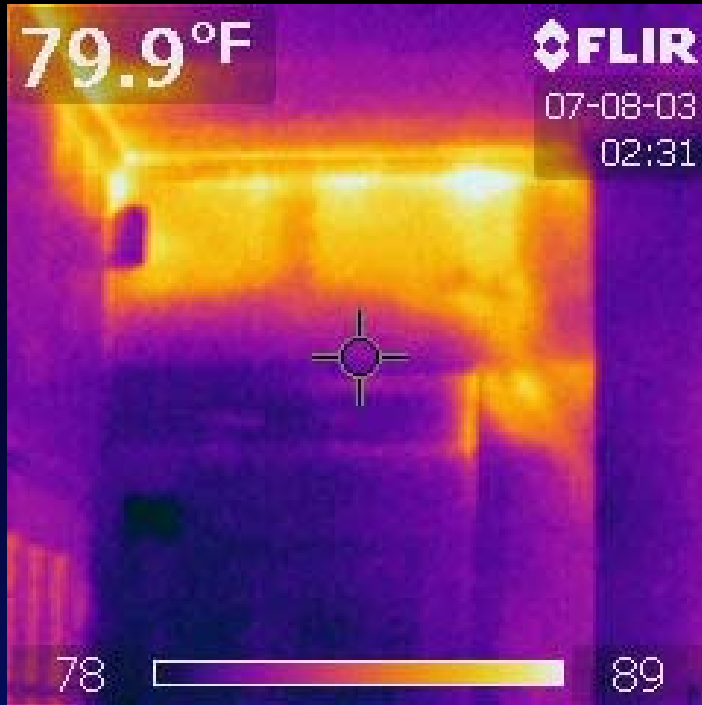


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Air Infiltration

(Summer)

This is an excellent example of insulation that allows air intrusion.

This picture was taken on a hot summer day and shows very hot attic air being pulled down into HVAC return system.

This severely decreases the efficiency of the HVAC system.

Demilec's foam insulation is also an air barrier.



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Loose Fill Insulation Blown Away From Edge

(Winter)

Loose fill insulation blown in without installing baffles will tend to be blown back away from the soffits reducing or eliminating any insulation value provided.

Demilec's foam insulation can be applied directly to the ceiling or the roof deck without any concern of it being affected by normal wind conditions.

The foam insulation will remain in place.

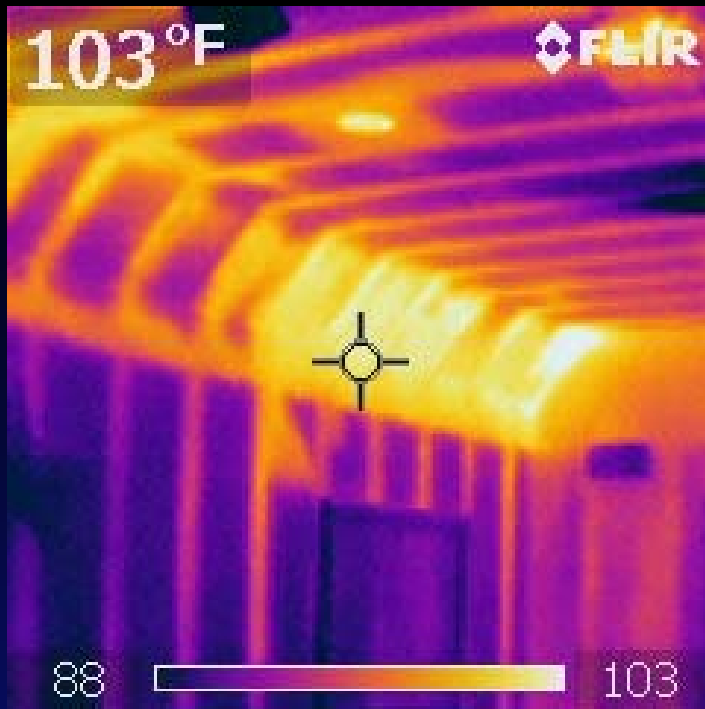


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Thermal Break

(Summer)

This home is constructed using metal framing without the use of a thermal break between ambient conditions and the metal framework.

Homes constructed from metal framing should install a thermal break between the metal framing and the exterior surface to reduce thermal bridging.

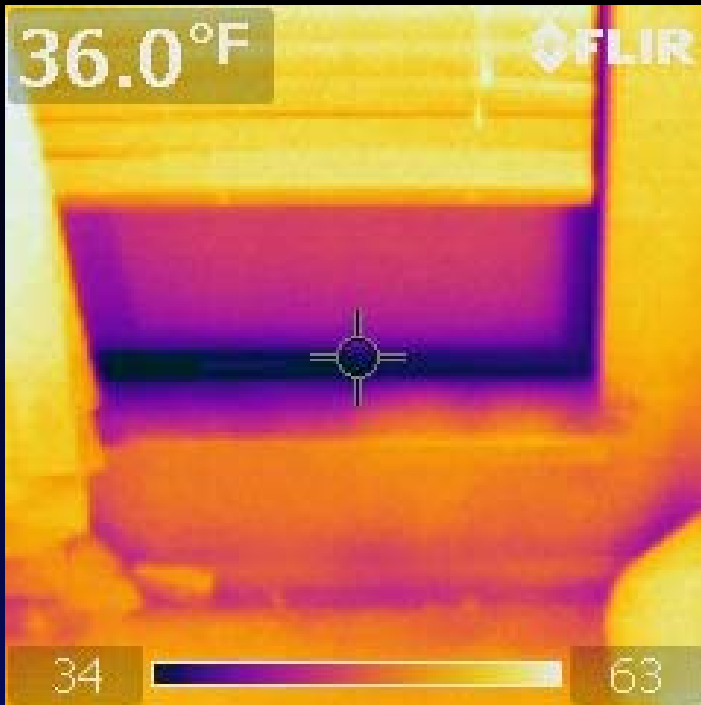


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Thermal Break

(Winter)

Windows installed in this home are dual pane , aluminum frame without a thermal break. Notice the temperature of the metal frame and the adjoining surface.

Wood or vinyl framed windows would perform much better in reducing the thermal bridging; however, if you must use a metal framed window, insure the metal frame is manufactured with a thermal break.

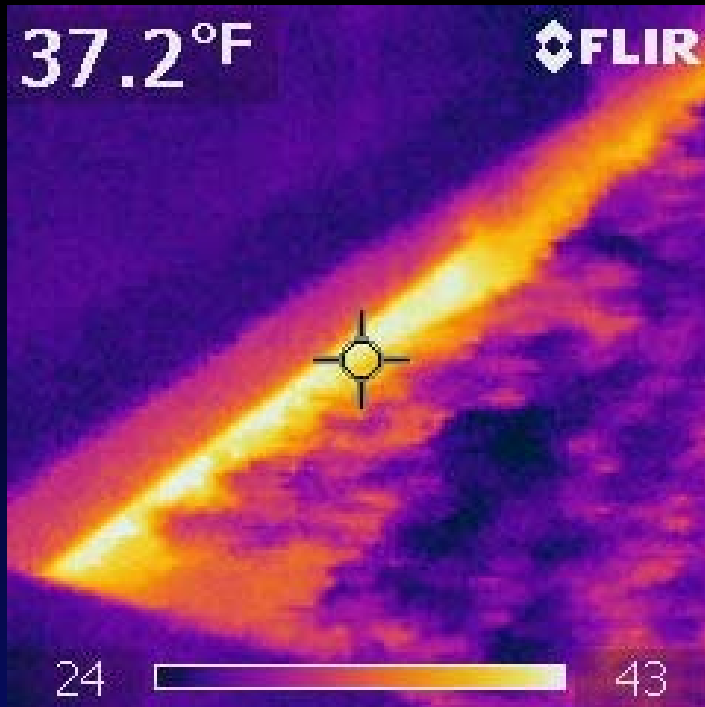


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Thermal Transfer

(Winter)

This slab on grade home does not have a thermal barrier in place between the slab and ground. Notice the amount of heat being pulled from the home and released to ambient conditions.

Many homes today are installing thermal barriers between the slab and grade reducing the thermal bridging phenomena. Doing this will prevent the conditioned temperature from being effected by ambient conditions.



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