

BLOCK FOUNDATION REPAIR



WHAT WE DO. FOUNDATION WALL CRACKS.

When ground water saturation occurs in the freeze thaw periods of winter, the ground expands, creating tremendous pressure on below ground portions of the foundation walls. This stress eventually fractures the wall. According to the Home Inspection Census more than 50% of all basement foundation walls have a good chance of cracking or bowing in the winters to come.



CINDER BLOCK FOUNDATION REPAIR.

CRACKED BLOCK FOUNDATIONS. Indicates lateral pressure on the walls. Serious movement is evidenced in stair step and horizontal cracks in mortar joints.

All foundation wall supports are designed and engineered to meet Wisconsin building codes and WAFRP standards. To install steel beam foundation support, the bottom of the beam needs to be anchored to the footing by either installing from top of floor or opening the floor and anchored to footing in locations where the beams will be placed. The beams are then installed and bolted to the wooden floor just above. The pressure bearing against the wall is transferred to wood floor joist and floor system to support the basement wall.

IMAGES BELOW SHOW STEEL BEAM FOUNDATION REINFORCEMENT.



OUR METHOD FOR WATER PROOFING BLOCK WALLS.

- The wall is excavated to the footing and old drain tile is removed. Bleeders are flushed clean or installed if not present.
- The wall is pressure washed to remove all debris.
- The cracks in the wall will be repaired and re coated with masonry cement.
- The wall will be coated with Marflex waterproofing to seal the wall.
- Wall will be backfilled with $\frac{3}{4}$ inch washed stone 20 inches from grade covered with a below grade geotextile filter fabric in areas.
- Finish backfilling trench areas with impervious fill to within 6" of ground surface, place topsoil to finish grade height and pitch soil away from building.



WATER DOESN'T STAND A CHANCE.

Mar-flex 5000 is a heavy duty, elastomeric emulsion waterproofing membrane. It is a highly rubber-fortified waterproofing product with decreased permeability and increased durability.

PRODUCT ADVANTAGES.

- Produced from virgin materials of the highest quality.
- Can be applied to any block or poured wall.
- Provides industry-leading waterproofing technology at an affordable price.
- Able to resist freeze-thaw cycles while remaining flexible.



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