

Safe-t-WIRE Tiler Installation Guide



The following tips will help to avoid damage to the cable when tiling if your floor is installed with **CBS Heating Safe-t-WIRE**.

The element is double insulated Teflon insulated multistranded cable and is designed to withstand normal tiling practices. Special care must be taken to ensure its integrity. **Additional care is required when cleaning out between the tiles prior to grouting.** This is when damage is most likely to occur.

The cable is bonded to the floor with a combination of adhesive tape and a concentrated latex (SBR type) adhesive. Do not walk on the floor until the adhesive has dried clear. (Usually 24 hours depending on the temperature)

With care, you can tile directly over the cable. We recommend using a thin bed application with a 10-12mm notched trowel works best.

Alternatively, the cables can be covered with a leveling screed or diluted mix of tile adhesive to ease tile installation. This creates mechanical protection, further reducing chances of accidental damage. Either way, a flexible adhesive must be used. A latex modified (acrylic, PVA, SBR) cement based grout should be used with at least a 10% “by weight of solids” content of latex.

If waterproofing is required but has not been installed prior to the cable installation, it may be possible to waterproof over the cable. Confirmation, regarding its acceptability to be installed over heating should be sought from the waterproofing suppliers.

Common practices that **will** cause cable damage and must be avoided at all costs are:

- Cutting tiles over heated area or, dropping tools on the cables.
- Inappropriate footwear. (Soft shoes or socks recommended).
- Lifting of misplaced or damaged tiles.
- Scraping excess adhesive from between tiles, or removing spacers.
- Twisting and turning over the cables.
- **Other trades working over installed cables prior to laying the tiles.**