

General guidelines for preparation of subfloors and UK manufacturers adhesive products suitable for use in conjunction with ECOFLOOR undertile heating cables kits and Cosyfloor cable mats. (To be read in conjunction with the installation instructions supplied)

Manufacturer	Surface	Primer	Tile adhesive	Grout
Ardex	Concrete	No primer required	Ardu-Flex 5000	Ardu-Flex FL
Ardex	Timber	Ardion 82 primer	Ardurit S16 + Ardion 90 admix	
Bal	New concrete	No primer required on a sound surface. Use a slurry bonding coat if unsound.	Bal-Rapidset Flexible	Bal Flexgrout
	Existing concrete	Slurry bonding coat 2 parts portland cement and 1 part Bal-Bond SBR	Bal-Rapidset Flexible	Bal Flexgrout
Bal	Timber	Bal Bond SBR	Bal-Rapidset Flexible	Bal Flexgrout
Howtex	Concrete & Timber	Howtex universal primer	Howtex single part Flexible rapid	Howtex-ceramic widejoint flexigrout
Mapei	Timber	Mapeprim SP primer	Ultraplan-self levelling compound over cable, then Kerabond with with Asolastic flexible additive/Granirapid.	Mapei Ultracolor Polmer modified grout.
Mira	Concrete	Mira 7110 base cleaner Mira 4800 antifire fluid primer. Use Mira 4120 and 4440 multicoat for wet areas.	Mira X-Plan self Levelling acrylic and Fibre reinforced levelling compound. Mira 3250 superplan Fix acrylic reinforced cement based quick curing tile adhesive.	Mira mastic
Mira	Timber	Mira 4800 antifire fluid primer.	Mira 3600 multicrete highly elastic two part adhesive.	Mira mastic.
Nicobond	Concrete	1 pt Nicobond primer to 4 pt water or 1 pt Nicobond primer to 1 pt water if porous.	Nicobond fast floor and wall adhesive.	Nicobond tilers grout + Nicobond enhancer 2002.
Nicobond	Timber	1 pt Nicobond primer to 1 pt water.	Nicobond fast floor and wall adhesive + Nicobond 2002.	Nicobond tilers Grout + Nicobond enhancer 2002
PCI	Concrete	No primer required.	Fliebspachtel 15 self levelling compound, then any flexible cement based adhesive	Any flexible grout.
PCI	Timber	No primer required.	Timberflex or Sontex Woodflex with Sontex RS2.	Groutflast. Sontex grey grout and Grout Admix.

RMC Biscem	Concrete & Timber.	No primer required.	Biscem fast set adhesive with Flexibond additive	Bisgrout floor Grouting.
Sovereign	Concrete	If unsound use 50:50 SBR bonding agent and water.	Sovereign Quick Fix tile adhesive	Sovereign water resistant tile grout.
Sovereign	Timber	SBR bonding agent.	Sovereign Quick Fix tile adhesive	Sovereign grey tile Grout with 1 part SBR-3 parts water.

Note: Full adhesive tile backing is essential to avoid air spaces. Dab fixing of tiles should be avoided.

Preparation of Timber or Concrete sub floors.

Existing floor boards should be sound and level and generally require an overlayment of Weyroc moisture resistant chipboard or WBP plywood, screw fixed and primed if required.

It is strongly recommended that uninsulated floors are first overlaid with a cementitious faced insulated tile backer board such as Isofoam, Knauf Aquapanel thermal, Marmox, WEDI-board or Tuflite.

6mm thickness **Depron** insulation is also offered by R&D Marketing as a cost effective alternative and particularly suitable with existing and retrofit floors with limited floor levels. This material firstly needs fixing to the prepared sub floor using a proprietary PVA floor adhesive such as Unibond or Stick a Tack. The adhesive should also be applied to the top surface of the Depron to act as a bonding primer and allow direct application of a suitable quickset flexible cement based adhesive and flexible tile grout. For floors requiring carpet or wood laminate floors after laying of the Ecofloor heating cables a 5-10mm slurry of self levelling compound is poured to cover the cables and provide a suitable floor base.

Further information is available by contacting the R&D Marketing Technical Department.