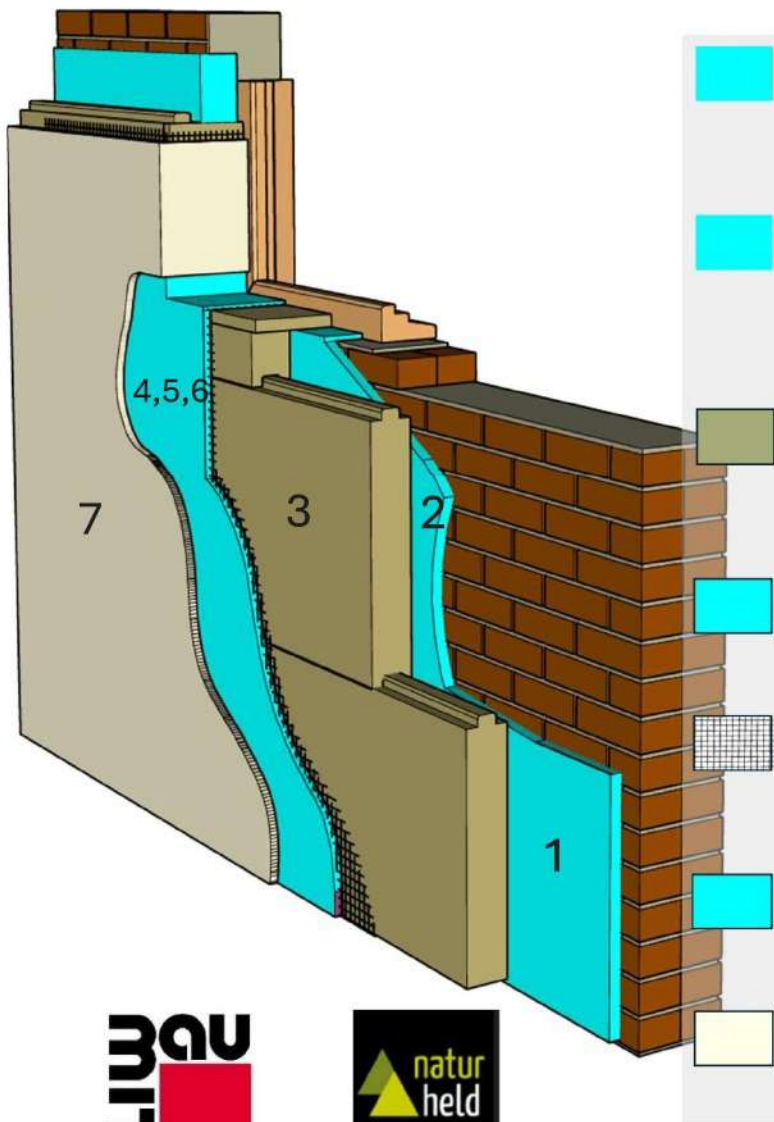


With 15 years' experience we offer:

- Supply of natural & sustainable insulation materials for retrofit & new build
- Support best construction practice on site for walls, roofs, lofts & suspended floors
- Provide material quotes with U-values and moisture calculations
- Supply of full insulation kits including all fixings, tapes and membranes
- Contact: info@acaraconcepts.com Tel : +353 (0)1 8409 286

Internal Wall Insulation (IWI) System for Brick and Stone Solid Walls



- 1. Levelling Coat:** Apply a levelling coat of lime plaster to the bare brick or stone wall, if required, typically 10-30mm of Baunit NHL Thermo or Baunit RK38
- 2. Bonding Coat:** Apply a consistent 5mm bonding coat of lime plaster (using a 7mm notched trowel) to complete back of wood fibre board or wall. This ensures that there are no air gaps between the wood fibre and wall. Use Baunit RK70
- 3. Wood Fibre Insulation:** Bond Naturheld wood fibre insulation to the wall and secure each board in place using 3 x thermally isolated fixings
- 4. Base Coat A:** Apply a 5mm lime plaster base coat over wood fibre boards (using a 6-7mm toothed trowel). Use Baunit RK70
- 5. Reinforcing Mesh:** Embed mesh into this toothed base coat whilst the base coat is still wet and leave for 1-1.5 hours to firm up slightly
- 6. Base Coat B:** Apply 2-3mm of lime plaster over the mesh and original plaster, ensuring the mesh stays close to the surface. Sponge float on same day. Use Baunit RK70
- 7. Final Coat:** Apply 2mm of lime plaster top coat – apply in 2 passes. Use Baunit KlimaGlatt for a smooth finish or Baunit RK70 for a textured finish



IMPORTANT NOTE: Ensure that walls are reasonably flat before attaching the wood fibre boards (5mm max unevenness). This reduces air gaps at this interface which could cause interstitial condensation to build up inside the walls — something that must be avoided. Contact us for further advice regarding wall levelling.