

1 PIPES

1.1.2 Composition of the Henco multilayer pipe: PE-Xc/AL/PE-Xc

The Henco multilayer pipe consists of a continuous butt welded aluminium pipe provided with an inner and outer layer of electron beam cross-linked polyethylene. The different layers are bonded to each by a high quality connecting layer. The result is the Henco multilayer pipe: it combines all the advantages of synthetic materials and metal pipes.

The inner and outer pipe are made of high density polyethylene (HDPE) granulates cross-linked by electron beams. Cross-linking multiplies the natural qualities of the polyethylene many times. This results in aspects such as the improved pressure and temperature resistance of the pipe.

The pipe meets the requirements of the strictest of standards for drinking water installations, and is even resistant to aggressive substances.

The aluminium pipe guarantees the oxygen-tightness and shape retaining properties of the pipe. The longitudinal butt welding of the aluminium pipe means the aluminium keeps the same thickness along its whole length. Consequently, the cross-linked outer layer applied with the connecting layer on the aluminium pipe will also have the same thickness. This also offers advantages when pressing, as the press loads are perfectly distributed. Depending on the diameter of the pipe, the thickness of the aluminium layer is calculated so the pipe always retains optimal flexibility and pressure-resistance.

