

## 9. Certifications – Guarantee

Interplast pipes meet and exceed the requirements set by the European EN, German DIN, Spanish UNE and British BS standards. As a result pipes do not present so much as a single failure in the regular biannual tests carried out by official institutes on random samples from production and the warehouse. Interplast pipes are certified by the following organizations, having been awarded over 10 certifications to date.

**-With ISO 9001** by TUV Germany for compliance with all international specifications regarding the manufactured pipes.



**-SKZ Germany** for mechanical strength of PEX, PP-R, PE-RT and PE-MDX pipes.

This comprises checking of pipe dimensions, measurement of cross-linking degree for the PEX pipes, microscopic homogenisation check, pressure tests in conjunction with different temperatures and linear expansion test.



**-DVGW Germany** for the suitability of PP-R pipes for drinking water.

This comprises tests at 20° C and 85° C for taste, odour, development of microorganisms, extraction of substances and metals dangerous for public health (cadmium, arsenic etc.).

**-AENOR Spain** for mechanical strength of PEX and PP-R pipes.

This comprises checking of pipe dimensions, measurement of cross-linking degree for PEX pipes, microscopic homogenisation check, pressure tests in conjunction with different temperatures and linear expansion test.



**-MPA-NRW Germany** for oxygen diffusion of Como-pex Oxygen Barrier pipe.

**-WRAS-NSF Great Britain**, for the suitability of PEX and PP-R pipes for drinking water. This comprises tests at 20° C and 85° C for taste, odour, development of microorganisms, extraction of substances and metals dangerous for public health (cadmium, arsenic etc.).



In addition to the above, the pipes are periodically tested in the laboratories of **ELOT** (Greek Standardization Organization) for mechanical strength and by the **General Chemical State Laboratory** for their suitability for drinking water.

Finally, all Interplast products and those of its subsidiary ELVIOM S.A. carry a guarantee covered by ALLIANZ insurance company to a sum of up to € 3,000,000. Details of the products guarantee can be found in the company's technical manuals.