



MUNICIPEX VS. COPPER

MUNICIPEX[®] Water Service Line

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| Cost Savings | <ul style="list-style-type: none"> – MUNICIPEX allows you to control your budget, while Type K Copper prices fluctuate rapidly and can be 2 to 3 times more than PEXa. Lighter weight also reduces transportation costs. – Multiple coil lengths, custom cutting and consecutive footage marks save buying extra pipe, helping you to reduce product waste and overspending. – MUNICIPEX is less likely to be stolen from a jobsite because of its low intrinsic scrap value. |
| Longevity | <ul style="list-style-type: none"> – MUNICIPEX can withstand higher impact than copper, reducing the need for repairs and installation downtime. – MUNICIPEX expands when frozen while copper is more likely to split. – MUNICIPEX is corrosion resistant while copper can produce build up inside the pipe diameter causing restricted flow. – Copper is 180 times more rigid than PEXa. The flexibility of MUNICIPEX allows it to absorb and dissipate energy from pressure surges and seismic events. – Repairs can be made to pressurized line using a heat gun and/or squeeze-off tool. – MUNICIPEX resists pitting which can lead to failure and costly replacement. |
| Environment | <ul style="list-style-type: none"> – PEXa requires less energy to produce and has a lower overall carbon footprint than copper¹. |

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| | ¹ <i>Life Cycle Inventory of the Production of Plastics Pipes for Use in Three Plumbing Applications," Franklin Associates, 2008 http://ppfahome.org/PPFA_Manufacturing_LCI_Report.pdf</i> | | |
| Ease of Installation | <ul style="list-style-type: none"> – MUNICIPEX saves installation time and money – lightweight polymer is easier to carry and uncoil, is less susceptible to impact and is simple to cut and connect with C800 brass. – MUNICIPEX allows for native soil backfill. – 1,000 ft (305 m) coil lengths can eliminate the need for couplings, minimizing installation time, cost, and risk of joint leakage in open trench or directionally drilled long services. – 2 in. copper outweighs 2 in. MUNICIPEX by almost 1 1/2 pounds per foot which could mean MUNICIPEX requires less manpower on the job, is easier to move from shop to site and could result in fewer on the job injuries than copper. | | |
| Size | Weight (lbs/ft) | | |
| | Copper (Type K) | MUNICIPEX | % Difference |
| 3/4 in. | .641 | 0.10 | 84% |
| 1 in. | .839 | 0.17 | 80% |
| 1 1/4 in. | 1.04 | 0.25 | 76% |
| 1 1/2 in. | 1.36 | 0.35 | 74% |
| 2 in. | 2.06 | 0.60 | 71% |

For more information about MUNICIPEX, visit www.municipex.com or contact your local REHAU representative.

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