



PIPING SYSTEMS
TIME AND MATERIALS

COMPARISON SHEET

Piping Installs with Hangers and Supports Uponor PEX-a is Most Cost-effective

With fierce competition to build structures as economically, efficiently and sustainably as possible, being price competitive is an ever increasing challenge for contractors.

But, material costs are only one part of the puzzle. Professionals need to consider labor times as well when bidding a job. And while many piping materials offered today claim to be less expensive than others, the true cost comes out when labor times for installation are factored in.

A recent case study examined the labor and material costs for hangers and supports used in a piping system. The project consisted of a 100-ft. straight run of pipe, with no offsets or jogs, using trapeze-type hanger systems with standard strut clamps.

The study compared project costs for the following five systems:

- Copper Press
- Copper sweat with 95/5 solder fittings
- CPVC with solvent-welded socket fittings
- PEX-a with ASTM F1960 fittings
- Polypropylene (PP-R) with heat-fusion socket fittings



Once labor was factored into each project, it can be seen that the Uponor PEX-a system came in at the lowest total cost.

System Type	Labor Hours ¹		Cost (USD) ²		
	Piping	Hanging	Materials	Labor	Total
Copper Press	32.10	39.61	\$5,763.99	\$5,378.25	\$11,142.24
Copper Sweat	48.30	39.61	\$5,583.38	\$6,593.25	\$12,176.63
CPVC	27.30	79.22	\$3,913.92	\$7,989.00	\$11,902.92
PEX-a	30.75	34.95	\$1,942.01	\$5,277.00	\$7,219.01
PP-R	40.12	88.54	\$4,772.97	\$9,649.50	\$14,422.47

¹ Labor times estimated using MCAA Component Method. ² To read the complete case study, visit www.uponorpro.com.

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