

ORDINANCE NO. 2218

AN ORDINANCE TO AMEND SECTION 28-98, SEC. 2.19 OF ARTICLE V PLUMBING CODE TO AMEND TABLE 3.4 FOR PEX PLASTIC TUBING; TO REPEAL ALL ORDINANCES IN CONFLICT HERewith; AND TO PROVIDE FOR AN EFFECTIVE DATE FOR THIS ORDINANCE.

BE IT ORDAINED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF YORK, NEBRASKA:

Section 1. Section 28-98, Sec. 2.19 of Article V Plumbing Code, Chapter 3 is amended as follows:

Chapter 3 Materials of the National Standard Plumbing Code, shall be amended to read as set forth on Exhibit A, attached hereto and made a part hereof as if stated in full herein, and as follows:

1. Water service lines from the water main to the water meter inside the structure must be copper. Water distribution lines after the water meter may be PEX or copper.
2. All PEX materials and fittings must meet product code specifications and must be sized and installed strictly per manufacturer's instructions, which shall be provided to the Building Inspector.
3. Water distribution lines that are 2 inch in diameter and larger must be copper.
4. PEX may be used in residential, commercial, or industrial applications as specified above.
5. PEX, PEX-AL-PEX, PE-AL-PE, or PE-RT tubing shall not be installed within the first 18 inches (457 mm) of piping connected to a water heater.

Section 2. All ordinances and parts of ordinances in conflict herewith are hereby repealed.

Section 3. This ordinance shall take effect and be in full force and effect from and after its passage, approval, and publication as required by law.

PASSED AND APPROVED by the York City Council this 16 day of May,
2019.

Barry Redfern, Mayor

ATTEST:

C. Jean Thiele, York City Clerk

F:\NET\NODE3\CHARLIE\YORK\ORDINANCES\28-98 PlumbingCode Amend ORD.wpd

EXHIBIT A TO PLUMBING CODE

A - Approved X = Not Approved

Table 3.4 MATERIALS FOR POTABLE WATER

HOT WATER DISTRIBUTION (2)(7)								
COLD WATER DISTRIBUTION (2)(7)								
WATER SERVICE (1)(6)								
PRIVATE WELL				PIPE				FITTINGS
1	ABS Plastic Pipe, SDR	A	X	X	X	ASTM D2282		
2	ABS Plastic Pipe, schedule 40 or 80	A	X	X	X	ASTM D1527		
3	Brass Pipe	A	X	X	X	ASTM B43		
4	Copper Pipe	A	A	A	A	ASTM B42		
5	Copper Tube seamless Type K or L	A	A	A	A	ASTM B88	ASME B16.22 (wrought, solder joint)	
							ASME B16.18 (cast, solder, joint)	
							ASME B16.50 (wrought, braze joint)	
							ASME B16.24 (cast, flanged)	
							ASSE 1061 (push fit)	
							ASME B16.26 (cast, flared)	
							Mechanically crimped (pressed) per Section 4.2.6	
							Split couplings per Section 4.2.17	
6	Copper Tube, seamless, Type M	A	X	X	X	ASTM B88	ASME B1622 (wrought solder joint)	
							ASME B16.18 (cast, solder, joint)	
							ASME B16.50 (wrought, braze joint)	
							ASME B16.24 (cast, flanged)	

							ASSE 1061 (push-fit)
							ASME B16.26 (cast, flared)
							Mechanically crimped (pressed) per Section 4.2.6
							Split couplings per Section 4.2.17
7	CPVC Plastic Pipe, schedule 40	A	X	X	X	ASTM F441	ASTM F438 (socket)
8	CPVC Plastic Pipe, schedule 80	A	X	X	X	ASTM F441	ASTM F437 (threaded), ASTM F-439 (threaded) (socket)
9	CPVC Plastic Pipe, SD9	A	X	X	X	ASTM F442	ASTM F438 (sch 40 socket) ASTM F439 (sch 80 socket)
10	CPVC Plastic Hot and Cold Water Distribution	A	X	X	X	ASTM D2846 (SDR 11) CTS	ASTM D2846 (socket, metal transition) ASSE 1951 (push-fit)
11	Ductile Iron Pipe, cement-mortar line	A	A	X	X	ASTM (A377)	AWWA C110/A21.10, AWWA C153/A21.53 (compact)
						AWWA 1C151/A21.50	AWWA C606 (split couplings)
12	Fiberglass Pressure Pipe	A	X	X	X	ASTM D3517	ASTM D33517 AWWA C 950
						AWWA C950	
12a	Flexible Pre-Insulated Piping	A	X	X	X	ASTMC F2165	
13	Galvanized Steel Pipe & Fittings	A	X+A	X	X	ASTM 453	ASME B16.3 (malleable, threaded)
							ASME B16.4 (gay iron, threaded)
							ASME B16.5 (cast forged, flanged)
							Split couplings per Section 4.2.17
14	High-Density Polyethylene (HDPE)	A	X	X	X	ASTM F714 (SDR 11)	ASTM F714 (SDR 11)
	Plastic Pipe						

15	PE Plastic Pipe, Schedule 40	A	X	X	X	ASTM D2447	ASTM D3261 (butt heat fusion), ATM F1055 (electro fusion)
16	PE Plastic Pipe, Schedule 80	A	X	X	X	ASTM D3055	ASTM F1055 (electro fusion)
17	PE Plastic Pipe, DR-PR	A	X	X	X	ASTM D3035	ASTM D3261 (Butt heat fusion), ASTM D2683 (socket fusion)
							ASTM F1055 (electro fusion)
18	PE Plastic Pipe, DR-PR	A	X	X	X	ASTM F714	ASTM D3261 (butt heat fusion), ASTM D2683 (socket fusion)
							ASTM F055 (electro fusion)
19	PE Plastic Tubing, CTS	A	X	X	X	ASTM D2737	ASTM D3261 (butt heat fusion), ASTM F1055 (electro fusion)
20	PE-AI-PE Plastic Pipe	A	X	X	X	ASTM F1282	ASTM F1974 (metal insert) ASTM F1282, ASTM F1281/1282
21	PEX Plastic Tubing	A	X	X	X	ASTM F876 (SDR9)	ASTM F1807 (crimped metal insert)
							ASTM F1865 (mechanical cold expansion metal insert)
							ASTM F1960 (metal cold expansion insert)
							ASTM F1961 (metal mechanical cold flare compression)
							ASTM F2080 (metal cold expansion compression)
							ASTM F2434 (crimped metal insert)
							ASTM 1061 (push-fit)
22	PEX Plastic Hot & Cold Water Distribution	A	X	A	A	ASTM F877 (SDR 9)	ASTM F1807 (crimped metal insert)
							ASTM F1865 (mechanical cold expansion metal insert)

							ASTM F1960 (metal cold expansion insert)
							ASTM F1961 (metal mechanical cold flare compression)
							ASTM F2080 (metal cold expansion compression)
							ASTM F2434 (crimped metal insert)
							ASTM 1061 (push-fit)
23	PEX-AL-Pex Plastic Pipe	A	X	X	X	ASTM F1281	ASTM F1974 (metal insert) ASTM F1281, ATM F 1281/1282
24	PEX-AL-Pex Plastic Tubing	A	X	X	X	ASTM F2262 (SDR 9)	ASTM F2434 (crimped metal insert)
25	PP Plastic Piping System	A	X	X	X	ASTM F2389	ASTM F2389 (socket weld)
						(IPS schedule 80)	
26	PVC Plastic Pipe (schedule 40)	A	X	X	X	ASTM D1785	ASTM D2466 (socket, threaded)
27	PVC Plastic Pipe (schedule 80)	A	X	X	X	ASTM D1785	ASTM D2464 (threaded), ATM D2467 (socket, threaded)
28	PVC Plastic Pipe, SDR	A	X	X	X	ASTM D2241	ASTM D3139 (flexible elastomeric seals)
							ASTM D2672 (bell end solvent cement)
29	Pressure-Rated Polypropylene (PP) Piping						
	Systems - metric sizes	A	X	X	X	ASTM F2389	ASTM F2389 (socket weld)
30	Crosslinked Polyethylene (PEX) Pressure						
	Pipe for Water Service	A	X	X	X	AWWA C904	ASTM F1960 (metal cold expansion insert)
							ASTM F2080 (metal cold expansion compression)

							ASTM F1807 (crimped metal insert)
31	PE-AL-PE (Composite Pressure Pipe)	A	X	X	X	AWWA C903	AWWA C800 (metal insert)
32	PEX-AL-PEX Crosslinked Pressure Pipe	A	X	X	X	AWWA C903	AWWA C800 (metal insert)
33	Polyethylene of Raised Temperature						
	(PE RT) SDR 9 Tubing	A	X	X	X	ASTM F2623	ASTM D3261 (butt heat fusion), ASTM D2683 (socket fusion)
							ASTM F1055 (electro fusion)

NOTES FOR TABLE 3.4

- (1) Piping for water service shall be water pressure rated for not less than 160 psi at 73°F.
- (2) Piping for hot and cold water distribution shall be water pressure rated for not less than 160 psi at 73°F and 100 psi at 180°F.
- (3) Plastic piping materials shall comply with NSF 14 and NSF 61.
- (4) For trenchless water service replacement systems, minimum DR-11 (or lower) for 1600 HDB, DR-9.3 (or lower) for 1450 HDB, or DR-7.3 for 1250 HDB.
- (5) Permitted for trenchless replacement of underground portions of piping within buildings.
- (6) See Table 3.4.2 for plastic water service piping.
- (7) See Table 3.4.3 for plastic hot and cold water distribution piping.
- (8) Water service pipe of materials not approved for connection to the City Water System cannot be interconnected.