

MISSION CLAY PRODUCTS LLC

A COMPLETE LINE OF CLAY PIPE PRODUCTS

**JOINTED
CLAY PIPE**
VITRIFIED CLAY PIPE & FITTINGS



JOINTED CLAY PIPE (JCP)

VITRIFIED CLAY PIPE & FITTINGS

Over 50 years of clay pipe manufacturing experience has positioned Mission Clay Products as one of the premier suppliers of vitrified clay pipe and fittings; superior products having an in-use life expectancy of more than 100 years. In fact, clay pipe lines installed in the U.S. in 1815 are still in use today! And today's vitrified clay pipe possesses even more effective water-tight joints and strength compared to clay pipe of the past. When you see "Mission" on the product, you can count on unsurpassed industry know-how. For installations requiring long lasting product dependability, specify Mission.



**JCP IS AVAILABLE IN 4" TO 42"
WITH POLYURETHANE COMPRESSION JOINT**



• WYE



• TEE



• CLAY INCREASER/
REDUCER



• MITERED 1/16
or 22-1/2° BEND



• MITERED 1/8
or 45° BEND



• MITERED 1/4
or 90° BEND

The physical properties of JCP Vitrified Clay Pipe and Fittings

- Chemically inert and unaffected by decomposition and abrasion common to other pipe materials
- Highly resistant to attack from sewer gases, acids, alkalis and most other corrosive products that commonly plague most domestic and industrial sanitary sewer systems
- Will not deform under constant load conditions



• CLAY WYE & TEE SADDLES

Available: 4" & 6"



• POLYURETHANE WYE & TEE SADDLE KITS

Available: 4" • 6" available in Tee Saddle Kit only
Epoxy included with kit only



• WYE with Band-Seal® Lateral



• TEE with Band-Seal® Lateral



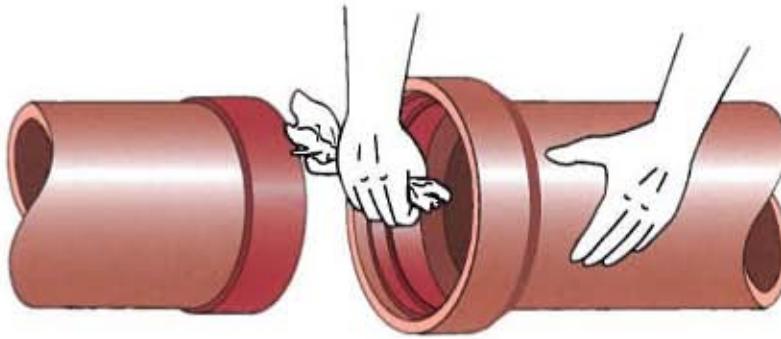
LARGE DIAMETER ADJUSTABLE REPAIR COUPLINGS (ARC) FOR MAINLINE SEWERS

- Available in 15"–42" diameters
- Couplings are 10" wide and come with four multiple take-up stainless steel clamps to provide superior seal on pipe ends
- Flanged bushings accommodate differences in pipe ODs up to 6"
- Flanged bushings allow for easy positioning into the coupling during installation
- Couplings and flanges are manufactured of EPDM rubber, making them resilient to and unaffected by normal soil conditions and sewer gases
- 300 Series stainless steel outside shear rings (ARC)
- T-bolt clamps have a 316 Series stainless steel strap and a torque rating of 150 in./lb. to provide even greater sealing performance

IMPORTANT: When ordering, specify the outside diameters of the two pipes to be joined.

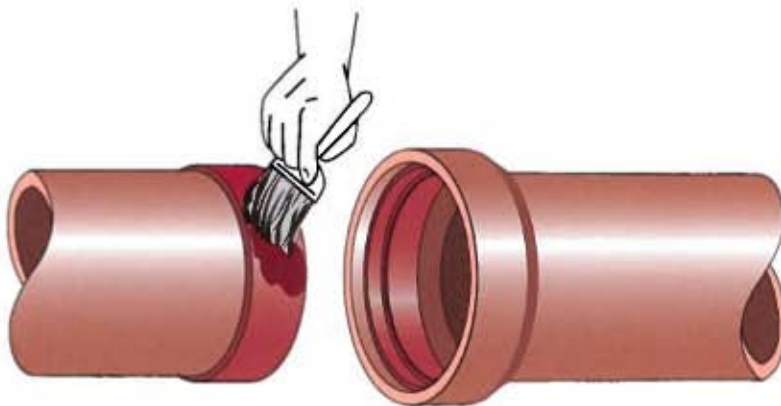
JCP Vitrified Clay Pipe is quickly installed with a minimum of additional tools.

- Smaller couplings assemble easily with only a firm push or shove by hand.
- Larger sizes may require a pry bar or pipe puller.
- To obtain proper performance, bell holes must be provided for each section.
- Entire length of pipe barrel must be supported by unyielding bedding.
- It is highly recommended that bedding material be shovel sliced into the haunch of the pipe.
- Refer to ASTM Designation C 12; Standard Practice for Installing Vitrified Clay Pipe Lines.

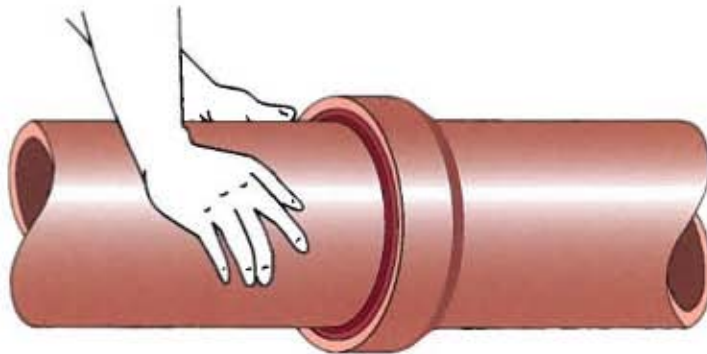


To Install Polyurethane Compression Joint:

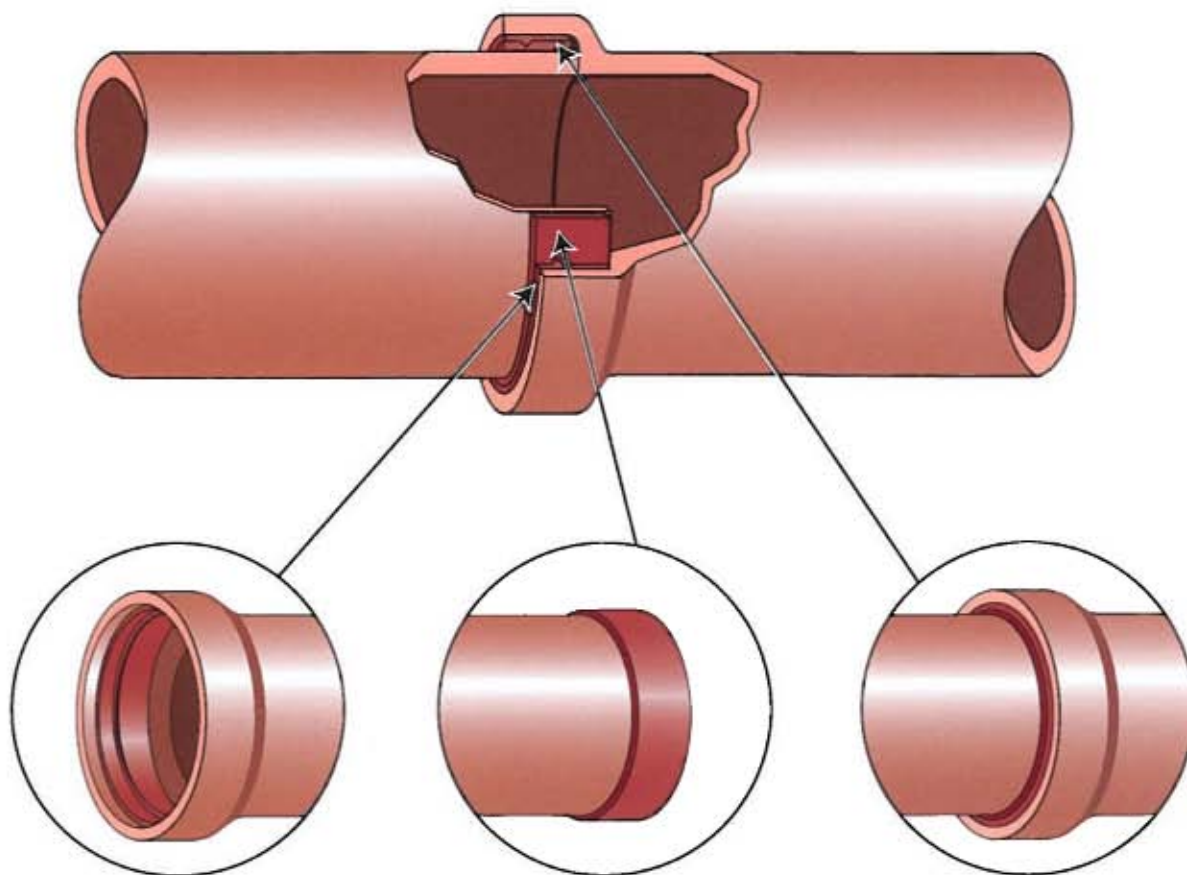
1. Wipe joint clean on both spigot and socket surfaces.



2. Lubricate spigot and socket surfaces.



3. Insert spigot end firmly into socket immediately after applying lubricant.



The joint in the bell end is precision-made and has an annular compression bead. This assures a flexible seal that remains tight even if the line deflects.

Jointed Clay Pipe Detail

The joint on the spigot end is precision-made to exact dimensions for quick and easy installation.

When the pipe is joined, the annular bead becomes compressed uniformly and tightly between the bell and spigot surfaces.

Nominal I.D. (inches)	Nominal Laying Length (feet)	Approximate Weight (lbs. per lineal foot)	Minimum ASTM 3-Edge Bearing (lbs. per lineal foot)	Minimum SSPWC Greenbook 3-Edge Bearing (lbs. per lineal foot)	Nominal O.D. Bell (inches)	Nominal Wall Thickness (inches)	Nominal O.D. Barrel (inches)
4	4	10	2000	2000	7 3/8	5/8	5.1
6	6	20	2000	2000	10 3/4	13/16	8.0
8	6	30	2200	2200	13	1 1/8	10.1
10	6	45	2400	2400	16 11/16	1 1/4	12.8
12	6	60	2600	2600	18 1/2	1 1/2	14.6
15	7	90	2900	3100	22 7/16	1 13/16	18.2
18	7 1/2	140	3300	3600	26 9/16	2 1/8	22.6
21	7	191	3850	4200	31	2 5/8	26.1
24	7	240	4400	4800	35	2 15/16	29.7
27	7	315	4700	5200	39 11/16	3 1/4	33.6
30	7	383	5000	5500	45 1/4	3 5/16	37.3
33	10	368	5500	5800	45 1/4	3 1/4	38.5
36	10	425	6000	6300	48 1/2	3 1/2	41.5
42	9 1/2	633	7000	7000	60	4 1/4	51.0

Dimensions subject to normal variations as defined by ASTM C 700.

HOW TO SPECIFY JCP

All pipe shall be extra strength, vitrified clay, meeting the requirements of ASTM Specification C 700, as manufactured by MCP Industries, Inc. Factory applied polyurethane joints conform to the material and performance standards of ASTM C 425 "Standard Specification for Compression Joints for Vitrified Clay Pipe and Fittings". Installation shall be per ASTM C 12 "Installing Vitrified Clay Pipe Sewers".

JCP Vitrified Clay Pipe and Band-Seal® Couplings meet or exceed the following standards:

- ASTM C 700 and ASTM C 425 which supercede Federal specifications SS-P-361e and SS-P-359b
- SSPWC, Standard Specifications for Public Works Construction, also known as "Greenbook"
- International Association of Plumbing and Mechanical Officials

SPECIFICATIONS		
Vitrified Clay Pipe	ASTM C 700	SSPWC Section 207-8
Compression Joint	ASTM C 425	SSPWC Section 208-2.3
Clay Pipe Testing Method	ASTM C 301	SSPWC Section 207-8.5
Installation Method	ASTM C 12	



MISSION CLAY PRODUCTS LLC

www.missionclay.com

REGIONAL SALES OFFICES

Southern

Post Office Box 549
Corona, CA 92878
tel: (951) 277-4600
fax: (951) 273-2708
email: kagmcp1@aol.com

Northern

880 81st Avenue
Oakland, CA 94621
tel: (510) 568-0800
fax: (510) 568-2699
email: mcpoak@missionclay.com

WILL CALL YARDS

Corona, CA

23835 Temescal Canyon Road
tel: (951) 277-4600
fax: (951) 273-2708

Oakland, CA

880 81st Avenue
tel: (510) 568-0800
fax: (510) 568-2699

Santa Fe Springs, CA

13344 Cambridge Street
tel: (562) 229-1722
fax: (562) 229-1732



Jointed clay pipe
is manufactured by
**Building Products
Company LLC**



MEMBER



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