

# ULTRA BLUE™

AWWA C909 & ASTM F1483  
SEISMIC RESISTANT WATER PIPE



DELIVERING GOOD WATER TO YOU

JM Eagle  
**50** YEAR  
WARRANTY\*  
ON PLASTIC PIPE

# MOST DURABLE, RESISTANT AND COST EFFECTIVE WATER PIPE ON THE MARKET



## AGED WATER PIPES ARE VULNERABLE TO EARTHQUAKES

It is indeed a fact that a majority of underground water pipe infrastructures in the US are not just old, but ancient. There are pipes that were installed from World War One!

With the recent anomalies of earthquakes across the US and the unpredictability of their veracity; JM Eagle thought it would be best to share the benefits of our Ultra Blue Earthquake Resistant PVCO for your review.





## EXCELLENT PROPERTIES FOR SEISMIC APPLICATIONS



The biaxial orientation and the extended bell of JM Eagle's Ultra Blue PVCO C909 pipe provide excellent pipe and joint flexibility/adaptability which is specifically required for seismic water pipes. Independent researchers challenged the efficacy of biaxial oriented pipe testing it at Cornell University.

It was concluded that PVCO is the best material to implement in seismically sensitive terrains, in particularly areas subject to permanent ground deformation or liquefaction, the most damaging type of earthquake destruction.

### FACT

*In the Christchurch, NZ 6.1 earthquake, PVCO pressure pipe remained completely undamaged during the main earthquake, liquefaction and all aftershocks!*

## ULTRA BLUE PVCO VERSUS EARTHQUAKE RESISTANT DUCTILE IRON PIPE

Japan is situated on the "Ring of Fire," that accounts for 20% of the world's earthquakes. In fact, a tremor occurs in Japan at least every five minutes, and each year there are up to 2,000 quakes. To counter seismic damage to their water pipe networks, Japan developed the "Kubota Pipe," a specifically designed ductile iron pipe. For over 40 years the Kubota Pipe, with its extended bell design, has been a successful solution. However, in comparison, JM Eagle's Ultra Blue PVCO offers distinct advantages for the US market.

EARTHQUAKE RESISTANT DUCTILE IRON PIPE (KUBOTA)	FEATURE	ULTRA BLUE PVCO C909 PIPE
5.2m (14 additional joints for 500m)	Pipe Lay Length	20 feet (+/- 1")
New blade required every 50m of installation	Cutting & Bevelling	Pipe comes bevelled
Joint paint required after every cut	Joint Paint	Not required
True metric, inconsistent with all North American manufactured water pipe & fittings	Dimensions	Cast Iron Outside Diameter (CIOD), consistent with all North American manufactured water pipe & fittings
Inconsistent outside diameter. Special order pipes required for hydrants & fittings	Consistency	Consistent outside diameter
HEAVY: e.g. 300mm cl 52 = 1,031 lbs.	Weight (per length)	LIGHTWEIGHT: 10" PL236 = 169 Lbs.
Pipe puller required	Installation	No pipe puller needed. Simple bar & block construction with insertion stop
In Japan	Manufactured	Made in the USA; supported by local inventories
STANDARD DUCTILE IRON PIPE	FEATURE	ULTRA BLUE PVCO C909 PIPE
Required to be installed at regular intervals in order to achieve the 1% strain requirement	Expansion Sleeve	Not Required
Requires poly-bagging	Corrosion-proof	Yes

\*50 year warranty only applicable to C900/Eagle Loc 900, C905, C909, AWWA C901/C906. Check [www.jmeagle.com/warranty](http://www.jmeagle.com/warranty) for full details.

# JM Eagle

THE LEADER IN PIPE INNOVATION

THE HIGHEST LEVEL OF QUALITY

THE LARGEST BREADTH OF PRODUCT

THE WIDEST CAPACITY

EXPRESS DELIVERY



## PLANT LOCATIONS



DELIVERING GOOD WATER TO YOU

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