

CERTA-LOK™ YELOMINE™

Restrained Joint PVC Pressure Piping System

Certa-Lok™ Yelomine™ is a restrained joint PVC pressure piping system featuring high impact strength and ultraviolet protection. When designing and selecting a piping system to meet system demands, many factors must be taken into consideration – size, flow rate, strength, longevity, load, exposure, impact, chemical resistance, ease of assembly, initial cost, installed cost, joining systems, quality, etc. This fact sheet provides performance comparisons between Certa-Lok Yelomine and HDPE (High Density Polyethylene) to enable you to make a qualified decision for your next job.

Y E L O M I N E™ V S. H D P E (H I G H D E N S I T Y P O L Y E T H Y L E N E)

Question:

How can Certa-Lok™ Yelomine™ lower my costs?

Answer:

Certa-Lok™ Yelomine™ does not require the lease or purchase of expensive butt fusion equipment, nor does it require hazardous solvents to assemble or skilled labor to join and install the pipe line.

Question:

How is it joined together?

Answer:

The Certa-Lok joining system is fast and easy to assemble, another labor savings. Precision machined grooves on the pipe and in the coupling automatically align when assembled, allowing a spline to be inserted through an insertion hole in the coupling. When fully inserted, the spline securely locks the coupling to the pipe. A gasket (o-ring) in the coupling provides a hydraulic seal.



4" Class 250 with Tapped Coupling



Above: Mine site under construction.
Right: Installed Yelomine System.



Question:

We install leachate sprinkler and drip systems. Do you have fittings for this application?

Answer:

Of course. CertainTeed offers Tapped Couplings with 3/4", 1", 1 1/2" and 2" outlets that allow for quick riser and sprinkler head installation, and easy connections to drip systems.

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Question :

What about quick coupling connection blow outs?

Answer :

No problem, Certa-Lok Yelomine is manufactured of PVC (Polyvinyl Chloride) and offers a much lower rate of thermal expansion and contraction than HDPE, therefore reducing any chance of blow out (except under ultra extreme conditions). Also, Certa-Lok™ Yelomine main and lateral lines won't snake like some materials, thus ensuring maximum designed sprinkler coverage. This should help reduce your maintenance costs!

Question :

When you move the line do you have to plug and re-tap for outlets?

Answer :

No. You simply remove risers or drip lines and move the line. Should an outlet move off center you simply rotate the Tapped Coupling to the upright position and you're ready to re-install the riser or drip line.



Resistant to harsh conditions

Question :

What about flow rates?

Answer :

Interesting you should ask. Certa-Lok Yelomine offers a non-wettable surface and internal diameters that are 10% - 21% larger than HDPE of the same size and pressure rating. Certa-Lok Yelomine yields excellent flow rates which are 17% - 48% greater than HDPE. In many installations you can downsize the pipe diameter and

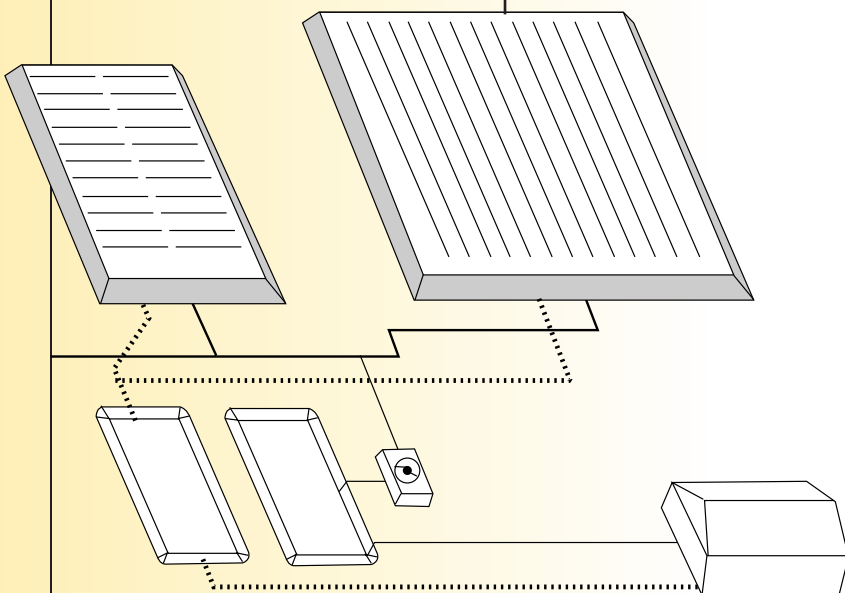
obtain the same or better flow capacity. A simple example is our 10" Certa-Lok Yelomine class 160 (SDR 26), which yields 1207.5 GPM, as compared to 12" HDPE Class 200 SDR21 at 1206.0 GPM. This simply means you can purchase and install 10" Certa-Lok Yelomine instead of 12" HDPE at a substantial weight difference of 9.15 lbs/ft vs 21.97 lbs/ft.

Question :

What else can Certa-Lok Yelomine do for me?

Answer :

Provide you with a cost effective, consistent, reliable piping system that you can depend on time and time again.



CertainTeed 