

FEATURES & BENEFITS OF A FLOWGUARD® BENDABLE PIPING SYSTEM

- Excellent combination of flexibility and rigidity allows the pipe to be workable yet hold shape.
- Cost-effective and price-stable alternative to copper tubing.
- Coefficient of linear thermal expansion closer to metal than other plastic pipes.
- Installed easily without use of expensive tools or torches.
- Multilayer composite construction with specially formulated CPVC and superior aluminum alloy provides protection against failures due to corrosion or oxidative degradation by chlorine.

FlowGuard® Bendable Hanger Spacing

Nominal Tube Size (NTS)	Hanger Spacing
1/2"	5 ft
3/4"	5-1/2 ft
1"	6 ft

THE PATENTED, MULTILAYER CPVC/METAL COMPOSITE PIPE



From the makers of the FlowGuard®, BlazeMaster® and Corzan® family of CPVC products.

Lubrizol

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Using a "barcode scanner" application on your Smartphone, scan the QR code and discover FlowGuard® Bendable Multilayer Composite Pipe.

To contact a sales consultant, call **888.234.2436**, ext. **4477393**, or visit our website at **www.fbcbuildingsolutions.com**.

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FLOWGUARD® BENDABLE COMPOSITE PIPE

A Select Product for Many Applications

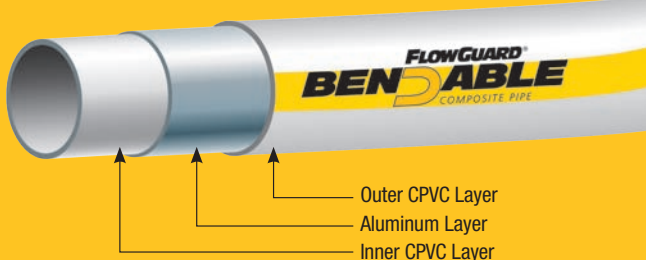
CPVC-AL-CPVC MULTILAYER COMPOSITE PIPE
COMBINES THE CORROSION-RESISTANCE
OF CPVC WITH THE PLIABILITY
AND STRENGTH OF ALUMINUM



April 2011
FG-BEND



FlowGuard® Bendable is a patented, multilayer CPVC/metal composite pipe from Lubrizol, a global leader in CPVC technology. The pipe consists of an inner layer of CPVC, a middle layer of butt-welded aluminum and an outside layer of CPVC. All of the layers are bonded with an adhesive, specially formulated to withstand water temperatures up to 180°F.



Assembly of this pipe incorporates a sleeve fitting and the standard FlowGuard Gold® CPVC fitting. FlowGuard Gold® One Step Cement is used for both fittings.



Failure to use the insert fitting may result in fluid under pressure causing separation of pipe layers, which could cause an external leak.

HELPFUL INSTALLATION TIPS

- FlowGuard® Bendable pipe is easy to bend by hand. When using a bending tool, the tightest bend radius can be achieved (6 times the OD of the pipe).
- If the pipe has become out-of-round or has developed a kink, cut out that portion of the pipe before continuing the installation.
- All materials have a natural and calculable reflex to return straight after being bent. FlowGuard Bendable should maintain a 90° bend when initially bent to 135°.
- Use a standard pipe wheel cutter to cut FlowGuard Bendable pipe (**photo 2**); make sure the cut is square.
- Use a pipe reamer to deburr the inside and outside of the pipe at the cut end (**photo 3**).
- Always use an insert sleeve fitting when assembling FlowGuard Bendable pipe.
- Apply FlowGuard Gold® One Step Cement to the outside of the insert sleeve fitting and the inside of FlowGuard Bendable pipe, and join them while twisting slightly (**photos 4, 5 and 6**).
- The lip of the sleeve fitting should completely bottom out to the cut end of the pipe.
- After completing the assembly of the sleeve fitting, the pipe is ready to be connected to a standard CTS fitting.
- Only certain compression fittings may be used with FlowGuard Bendable pipe, so they should be avoided without consulting Lubrizol for technical support.

Always visit www.fbcbuildingsolutions.com to view the most up-to-date FlowGuard® Bendable installation information.

QUICK INSTALLATION TIPS



Open banded coil



Cut the FlowGuard® Bendable pipe using a standard pipe wheel cutter



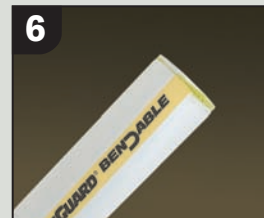
Deburr the FlowGuard Bendable pipe



Cement the outside diameter of sleeve fitting and the inside diameter of the FlowGuard Bendable pipe



Install the sleeve fitting into the FlowGuard Bendable pipe and twist it slightly



After completing the assembly of the sleeve fitting, the pipe is ready to be connected to a standard CTS fitting