

# Advanced Plumbing Solutions to Fit Today's Needs for Value and Performance.

RESIDENTIAL AND COMMERCIAL SYSTEMS FOR EVERY APPLICATION

FlowGuard  
**BEN ABLE**  
Quality of Life

**FLOWGUARD GOLD**

**CORZAN**

FlowGuard Gold® Pipe & Fittings

Corzan® Pipe & Fittings

FlowGuard Gold®/Corzan® Plumbing System

FlowGuard® MultiPort Manifold System

FlowGuard® Bendable Composite Pipe

FlowGuard Gold®/BlazeMaster® Multipurpose System



## Proven performance.

When it comes to piping systems, no one offers a better solution than The Lubrizol Corporation. We invented CPVC in 1959, and continue to lead the industry with technologies and innovations that set new standards in performance and reliability. As a result, our wide array of piping products for both residential and commercial applications deliver more value, are supported by more experience and technical resources—both in the lab and in the field—and pass the most rigorous testing. No other manufacturer offers more.

## Smart bottom line solutions.

Everyone is looking for ways to improve profitability. Lubrizol meets this need by creating products with stable material costs. All our products feature a fast, easy installation process which improves productivity, minimizes labor costs and helps keep projects on schedule. We recognize that what appears to be a smart investment up front is only valuable if it performs to expectations over the long-term. Callbacks are expensive and unproductive.

That is why you need the experience and commitment of an industry leader with an unmatched record of continually creating reliable, high-performance products. We have proven for more than 50 years that our products meet the highest quality standards, as confirmed by numerous third-party testing and approval organizations. In addition, we offer a national network of field personnel available to provide on-site training and technical assistance to help ensure a successful installation.

Regardless of which Lubrizol product you choose, you can be confident in knowing that you have made a wise investment that protects your reputation and your bottom line.

## FlowGuard Gold® Pipe and Fittings



### BENEFITS

Resists pitting, scaling and corrosion

Minimizes labor time and costs as a result of fast, easy and reliable solvent cement joining system

Results in a straight, professional appearance

Provides a quieter operation than metal (as confirmed by NSF International)

Meets the higher cell class of 24448, the highest attainable in the industry, to provide added peace of mind

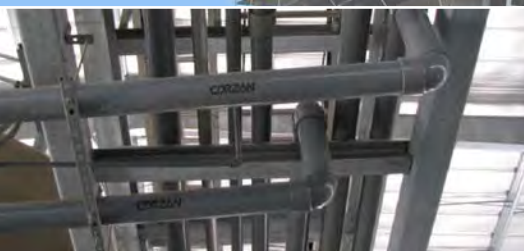
## The #1 specified non-metallic plumbing system in the U.S.

Made from durable chlorinated polyvinyl chloride (CPVC) and backed by more than 50 years of proven performance, the innovative FlowGuard Gold plumbing system has become the plumbing alternative of choice for building professionals. Highly reliable, the system resists pitting, pinhole leaks and corrosion, even in the harshest water conditions. No scaling means it maintains full water-carrying capacity throughout its service life with no risk of copper leaching and compromising water quality.

Available in CTS SDR 11  
1/2" to 2" diameters



**Corzan®  
Pipe and Fittings**



**BENEFITS**

Provides a reliable, corrosion-resistant solution

Offers higher impact strength and heat resistance as a result of its higher cell class rating of 24448

Minimizes costs as a result of its fast, easy joining process

Offers an ideal alternative for a wide array of commercial applications, including hospitals, hotels, universities, high-rises, etc.

Provides outstanding flame and smoke properties

**Available in IPS Schedule 80  
1/2" to 16" diameters**

**Built to meet the demands of larger commercial projects.**

Bigger projects often require bigger pipe. Corzan pipe and fittings, made of high-performance, corrosion-resistant chlorinated polyvinyl chloride, are available in diameters up to 16". Corzan pipe meets the cell class of 24448, the highest on the market today. In fact, these same Corzan products have successfully been used in industrial applications since the 1960s, proving that they offer the mechanical strength, chemical resistance and temperature resistance to endure demanding, highly corrosive environments. That means peace of mind for contractors and building owners.



## FlowGuard Gold® /Corzan® Plumbing System

Used in combination, FlowGuard Gold and Corzan pipe and fittings provide a total solution for commercial projects that require the ultimate reliable plumbing system. Do not take chances with anything less than a FlowGuard Gold/Corzan Plumbing System.

A wide array of transition fittings are available to conveniently transition from the larger-diameter Corzan pipe to FlowGuard Gold CPVC pipe or metal.



**From riser to fixture—a complete plumbing solution for any size project.**

## FlowGuard® MultiPort Manifold System

### A more versatile solution for residential and commercial applications.

Used for central manifold or zoned plumbing applications, the FlowGuard MultiPort Manifold System allows contractors to customize a system to match a specific project's needs. Unique to the system, the patent-pending FlowGuard MultiPort CPVC Manifold allows for any number of ports, unlike other manifolds on the market which limit your options. This award-winning, highly versatile product has qualified as a "Green Approved" product based on stringent requirements set forth by the National Association of Home Builders (NAHB) Research Center. As a result, builders who properly utilize the FlowGuard MultiPort in a residential central manifold system may qualify for up to six points toward National Green Building Certification.

### BENEFITS

Adapts for use with either FlowGuard Gold piping or PEX piping

Offers a fast and easy installation process

Eliminates the mechanical leak points in other central manifold systems

Facilitates future expansion

Resists pitting, scaling and corrosion

Reduces material costs since you only buy the ports you need

**Available in 1", 1 1/4", 1 1/2" and 2" diameters**



FlowGuard®  
Bendable  
Composite Pipe



Available in 1/2", 3/4" and 1" CTS in coils and straight lengths

Stays straight when you want it. Bends when you need it.



Special applications require a customized plumbing solution. FlowGuard Bendable composite pipe is like nothing else on the market today. Constructed of multiple layers of CPVC and aluminum, it provides maximum durability and ease of installation. Available in coils or straight lengths, it stays straight when you want it and bends when you need it, making it ideal for a variety of applications, including: partition piping, water service lines, underslab, shower risers and other plumbing lines where added strength and flexibility are required. Fully kink-resistant, it can be bent by hand or with common bending tools and retains its shape without the need for additional reinforcement.

### BENEFITS

Innovative insert fitting allows the use of standard FlowGuard Gold fittings

Resists corrosion, pitting, scaling and chlorine degradation—even when exposed to alkaline soil conditions or water with high chloride levels

Minimizes labor time and costs with a fast, easy installation process involving readily available inexpensive tools

Offers a cost-effective, price-stable alternative to copper

Features a thermal expansion coefficient closer to copper than other plastics

Eliminates the need for joints if bent

## FlowGuard Gold®/BlazeMaster® Multipurpose System

A FlowGuard Gold/BlazeMaster multipurpose system meets all National Fire Protection Association (NFPA) 13D and plumbing code requirements. In jurisdictions that allow multipurpose systems, this system which combines the cold side of the potable water system and the fire sprinkler system, provides an unmatched value by resulting in lower total installed costs than a comparable PEX multipurpose system. That is because BlazeMaster pipe provides superior flow which often results in pipe downsizing. More importantly, unlike PEX, BlazeMaster pipe and fittings will not sustain combustion or contribute to flashover. The color-coded system allows for easy differentiation between the hydraulically calculated fire sprinkler system and plumbing system to facilitate future renovation.

**The most economical multipurpose solution on the market.**



### BENEFITS

- Resists pitting, scaling and corrosion
- Offers a fast and easy, highly reliable installation process
- Provides outstanding flame and smoke properties
- Uses less piping by combining two separate systems



**Choose the solution  
that's right for you from  
the name you can trust.**

**FLOWGUARD GOLD**

**CORZAN**

**Lubrizol**

855.735.1431  
216.447.5000  
216.447.5750 FAX

The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained. The information is based on laboratory work with small-scale equipment and does not necessarily indicate end product performance. Because of the variations in methods, conditions and equipment used commercially in processing these materials, no warranties or guarantees are made as to the suitability of the products for the applications disclosed. Full-scale testing and end product performance are the responsibility of the user. Lubrizol Advanced Materials, Inc. shall not be liable for and the customer assumes all risk and liability of any use or handling of any material beyond Lubrizol Advanced Materials, Inc.'s direct control. THE SELLER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein is to be considered as permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner.

® is a registered trademark of The Lubrizol Corporation.  
™ is a trademark of The Lubrizol Corporation.

To contact a sales consultant,  
call **855.735.1431** or visit our  
website at **flowguardgold.com**.



FlowGuard Gold® Pipe & Fittings  
Corzan® Pipe & Fittings  
FlowGuard Gold®/Corzan® Plumbing System  
FlowGuard® MultiPort Manifold System  
FlowGuard® Bendable Composite Pipe  
FlowGuard Gold®/BlazeMaster® Multipurpose System

FBCPLUMB  
January 2012

© The Lubrizol Corporation 2012, all rights reserved.