

FROST-PROOF PG38

38% PROPYLENE GLYCOL

FPPG-SPEC

PRODUCT DESCRIPTION

PRODUCT

FROST-PROOF PG38 Anti-Freeze Solution and Heat Transfer Fluid

DESCRIPTION

FROST-PROOF PG38 Anti-Freeze is a non-toxic, propylene glycol based anti-freeze for all types of wet fire sprinklers systems that provides burst protection to -50°F (-46°C).

RECOMMENDED USES

FROST-PROOF PG38 is a 38% pre-blend that conforms to NFPA standards to allow for direct replacement of anti-freeze in wet metal fire sprinkler systems. No dilution is required.

FROST-PROOF PG38 when used undiluted, will protect against freeze damage and ensure flow in the system.

See freeze protection chart below.

COLOR/CONSISTENCY

Red Liquid

ENVIRONMENTAL STATEMENT

FROST-PROOF PG38 is non-toxic, nonflammable and non-corrosive. **FROST-PROOF PG38** will not support bacterial growth in the system and eliminates the possibility of contaminating domestic and potable water systems.

FROST-PROOF PG38 Anti-Freeze Solution is "Generally Recognized as Safe" (GRAS) by the Federal Food and Drug Administration. All fire protection systems that use **FROST-PROOF PG38** need to conform to local, state and NFPA requirements.

FPPG-SPEC

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This product is manufactured in the U.S.A.

APPLICATION PRECAUTIONS

Due to the molecular structure of propylene glycol all connections in metallic pipe must be completely sealed and air tight to avoid seepage of the solution. All fire protection sprinkler systems that use **FROST-PROOF PG38** must conform to local, state and NFPA requirements. Disposal of **FROST-PROOF PG38** should be in conformance with national, state and local health codes. Biodegradation under aerobic static laboratory conditions is high (BOD20 or BOD28/ThOD greater than 40 percent). It is expected that biodegradation will be achievable in a secondary wastewater treatment plant.

LIMITATIONS

Not recommended for galvanized or CPVC systems.

WEIGHT PER U.S. GALLON

8.64 lbs. (3.91 kg) ± 0.2

PACKAGING

U.S. Measure:

Stock Code	Size
Plastic Jug w/ Spout	
FPPG1	1 gal. (3.785 L)
5 Gallon Plastic Pail w/ Handle	
FPPG5	5 gal. (18.9 L)
55 Gallon Drum	
FPPG55	55 gal. (208 L)
275 Gallon Tote	
FPPG275	275 gal. (1040 L)

SHIPPING WEIGHT PER CASE

Stock Code	Case Weight	#/Case
FPPG1	57 lbs. (25.9 kg)	6
FPPG5	44 lbs. (20.0 kg)	1
FPPG55	500 lbs. (226.8 kg)	1
FPPG275	2500 lbs. (1134 kg)	1

DIRECTIONS FOR USE

1. Empty the entire system through faucets, petcocks, and other openings; then close all openings.

2. Replace all liquid with an equal amount of **FROST-PROOF PG38** to obtain -50°F (-46°C) burst protection. Do not add any additional water or concentrated propylene glycol to the system.

3. After filling the system, follow NFPA guidelines for testing the system. Fluid samples should be tested from both a low and high point on the system.

4. NFPA requires a service tag to be affixed to the riser indicating; the date last tested or replaced, type and concentration of fluid in system, total volume of the system, contractor responsible for servicing the system (include license number), and statement indicating the entire system was drained and replaced with **FROST-PROOF PG38**.

5. **FROST-PROOF PG38** can remain in the system all year. NFPA 25 requires that the freeze point of the anti-freeze be tested annually before the onset of freezing weather.

100% FROST-PROOF PG38	
Freeze Point	0°F (-18°C)
Flow Point	-15°F (-26°C)
Burst Point	-50°F (-46°C)
Specific Gravity @ 77°F / 25°C	1.037

 **WHITLAM**
P.O. Box 380
Wadsworth, Ohio 44282
Phone: 330-334-2524
Fax: 330-334-3005
Email: info@jcwhitlam.com
Website: www.joinpipe.com