

# Tyfo® VG

## for the Tyfo® Advanced Fire Protection (AFP) System

### DESCRIPTION

Tyfo® VG is the third component of the specialized Tyfo® AFP System. It is non-combustible and non-flammable.

### USE

This material is recommended for use in conjunction with the Tyfo® AFP System where higher fire ratings are required.

### ADVANTAGES

- Component of the fire-resistant system for up to 4-hour rating
- UL listed, Design No. N790 and No. X842

### COVERAGE

One bag yields approximately 22 sq. ft. (2.04m<sup>2</sup>) at 1 inch (25.4mm) thick, less 10% waste. Contact Fyfe Company engineer for required thickness. Applicator should allow for waste and overspray.

### PACKAGING

One 40 lb. (18kg) bag of Tyfo® VG dry powder.

### SHELF LIFE

Two years in the original, unopened package when kept in a dry area above freezing.

### STORAGE CONDITIONS

Store units in a dry area above 32° F (0° C) away from flames. Plastic tarping is recommended. Avoid freezing.

### CERTIFICATE OF COMPLIANCE

- Will be supplied upon request, complete with state and federal packaging laws with copy of labels used.
- Material safety data sheets will be supplied upon request.

### HOW TO USE THE TYFO® VG

### SURFACE PREPARATION

Surface should be free of excess dust, debris, oils and greases.

### MIXING

Pour the desired amount of Tyfo® VG into a suitable mixing container. Add the appropriate amount of clean water to the Tyfo® VG. Mix until uniformly blended. Apply immediately.

### APPLICATION

Tyfo® VG may be applied by spray method or trowel approximately 4 hours after the Tyfo® Dash Coat. It may be built-up in one or more lifts to achieve the minimum specified thickness. If multiple lifts are required, subsequent lifts are applied 4 - 6 hours after the previous lift, or when the surface has achieved proper strength to support additional lifts.

### WORKING TIME

Tyfo® VG has a working time of approximately 1 hour at normal ambient temperatures between 60° to 80° F (16° to 27° C). If material begins to harden, it should be discarded.

### MATERIAL PROPERTIES

PROPERTY	ASTM METHOD	TYPICAL TEST VALUE
Dry Density, lb./cu. ft. (min. avg.)		23.2
Compressive Strength, lb./sq. ft.	ASTM E-761	2,340
Bond Strength, lb./sq. ft.	ASTM E-736	389
Combustibility	ASTM E-136	Passes, Non-comb.
Surface Flame Spread, smoke developed	ASTM E-84	0, 0
Erosion by Air, gm/sq. ft.	ASTM E-859	0.00
Effect of Impact	ASTM E-760	Passed
Effect of Deflection	ASTM E-759	Passed
Corrosion of Steel	ASTM E-937	Passed

## CAUTION!

### PROTECTION

**Respiratory:** Use of respiratory protection suitable for nuisance dust is recommended.

**Eyes:** Use safety goggles or glasses which provide adequate eye protection.

**Skin Contact:** Use of gloves and adequate clothing to avoid skin irritation is recommended.

### FIRST AID

In case of skin irritation, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of clear water; contact physician if necessary. If inhaled, remove individual to area with fresh air.

### CLEANUP

Clean tools and equipment with water before the material hardens. Dry material may be swept or vacuumed up.

### DISPOSAL

Dispose of all wastes in accordance with federal, state and local regulations.

### SHIPPING LABELS CONTAIN

- State specification number with modifications, if applicable
- Component designation
- Type, if applicable
- Manufacturer's name
- Date of manufacture
- Batch name
- State lot number, if applicable
- Directions for use
- Warnings or precautions required by law

**NOT FOR INTERNAL CONSUMPTION.  
CONSULT MATERIAL SAFETY DATA SHEET  
(MSDS) FOR MORE INFORMATION.  
KEEP OUT OF REACH OF CHILDREN.  
FOR INDUSTRIAL USE ONLY.**

## Fyfe Co. LLC

Tyfo® Fibrwrap® Systems

Nancy Ridge Technology Center

6310 Nancy Ridge Drive, Suite 103, San Diego, CA 92121

Tel: 858.642.0694 Fax: 858.642.0947

E-mail: [info@fyfeco.com](mailto:info@fyfeco.com) Web: <http://www.fyfeco.com>

**Statement of Responsibility:** The technical information and application advice in this publication is based on the present state of our best scientific and practical knowledge. As the nature of the information herein is general, no assumption can be made as to the product's suitability for a particular use or application, and no warranty as to its accuracy, reliability or completeness, either expressed or implied, is given other than those required by State legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use. Field service, where provided, does not constitute supervisory responsibility. Suggestions made by the Fyfe Co., either verbally or in writing, may be followed, modified or rejected by the owner, engineer or contractor since they, and not the Fyfe Co., are responsible for carrying out procedure appropriate to a specific application.