

# Tyfo<sup>®</sup> VG

## for the Tyfo<sup>®</sup> Advanced Fire Protection (AFP) System

### DESCRIPTION

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

### USE

This material is recommended for use in conjunction with the Tyfo<sup>®</sup> 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 18 sq. ft. (1.39m<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<sup>®</sup> VG dry powder.

### SHELF LIFE

One year 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<sup>®</sup> VG

#### SURFACE PREPARATION

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

#### MIXING

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

#### APPLICATION

Tyfo<sup>®</sup> VG may be applied by spray method or trowel 0.5 to 6 hours after the Tyfo<sup>®</sup> 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<sup>®</sup> 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 - AFP System	ASTM E-84	0 10
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.**

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