AEGION®
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FYFE®

TYFO® VG

For the Tyfo® AFP System

DESCRIPTION

Tyfo® VG is the third component of the Tyfo® AFP System. The Tyfo® AFP System consists of Tyfo® VG Primer, Tyfo® VG Dash Coat, Tyfo® VG and Tyfo® EI-R. The Tyfo® AFP system is specially formulated to provide up to a 4-hour UL-rated assembly per ASTM E119.

USE

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

ADVANTAGES

The Tyfo® AFP System provides a 4-hour rating per ASTM E119 for column and beam/slab assemblies and Class 1 Flame and Smoke Rating per ASTM E84.

- ICC-ESR 2103 Listed Product
- ASTM E119 UL-Listed Design No. N790 and X842
- ASTM E84 Class 1/Class A Rated Assembly (UL-Listed Design No. BWSZ.R15357)

COVERAGE

Approximately 18 ft^2 per bag at a thickness of 1". Thickness may vary based on design. Applicator to allow for waste and overspray.

PACKAGING

40 lbs. per bag.

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.

HOW TO USE THE TYFO® VG

SURFACE PREPARATION

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

MIXING

Mix with clean water until uniformly blended, typically 5-7 minutes. Apply immediately.

APPLICATION

Spray-apply the Tyfo® VG over the Tyfo® VG Dash Coat in lifts of 3/4" or less to achieve the minimum thickness. If multiple lifts are required, subsequent lifts are applied 4 - 6 hours after the previous lift, or when the surface has achieved sufficient strength to support additional lifts. Tyfo® VG may be trowel-finished to achieve the desired texture. Allow the Tyfo® VG to set minimum 4-6 hours before applying the Tyfo EI-R coating. Changes in temperature, humidity and installed thickness may affect cure time.

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.

CAUTION!

CLEANUP

Clean tools and equipment with water before the material hardens. Dry material may be swept or vacuumed up. Dispose in accordance with local disposal regulations.

HAZARDS

Consult the Safety Data Sheets (SDS) for associated hazards. SDS will be supplied upon request.

CONSULT SAFETY DATA SHEET (SDS) FOR MORE INFORMATION. FOR INDUSTRIAL USE ONLY.

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 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

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