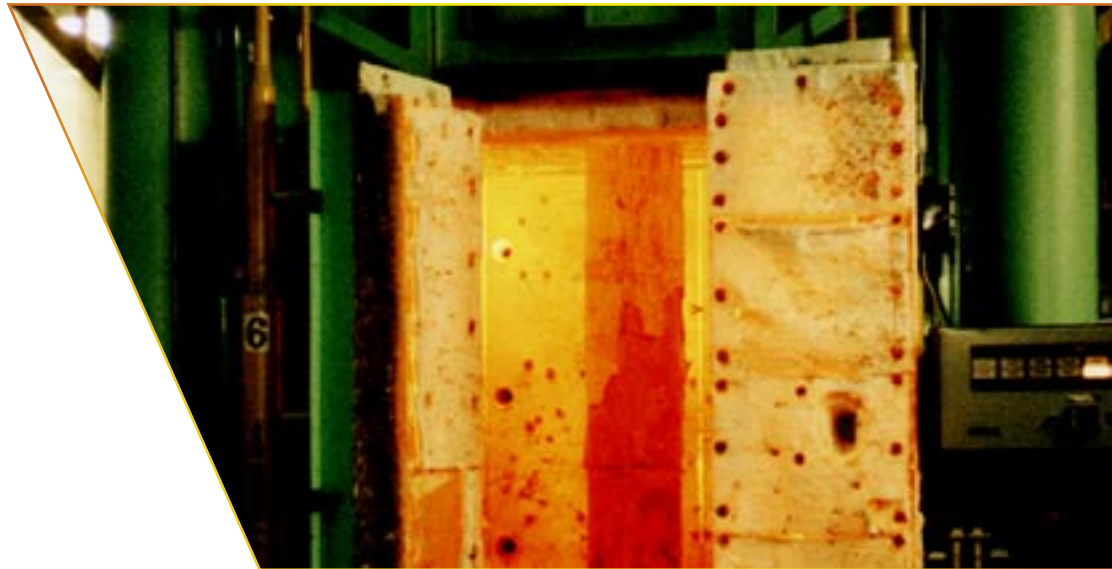


Tyfo® AFP

Advanced Fire Protection

with the

VG/EI-R Fire Protection System



Tyfo® AFP Description

Tyfo® AFP is a system used to protect (add resistance) a Tyfo® Fibrwrap® system from fire. A layer of Tyfo® VG (a fire insulator with special component) is spray coated onto the Fibrwrap® using the Tyfo® VG Primer and Dash Coat. Tyfo® EI and EI-R are unique coatings which can be sprayed over the VG as a finish coat. This combination of VG/EI(R) has been shown by test to protect the Fibrwrap® System from fire.



Tyfo® Carbon Composite applied



First lift of Tyfo® VG sprayed-applied



Subsequent lifts of Tyfo® VG applied



Tyfo® VG application complete



Tyfo® EI trowel-applied

Tyfo® AFP Features

- ① Tyfo® VG is easy to spray in place and bonds very well to Fibrwrap®. When applied within the initial cure period, a chemical bond is achieved.
- ② Tyfo® EI-R gives an aesthetic and durable finish. System is hard to the touch.
- ③ System has been tested to ASTM E119 and successfully passed 4 hour under load column tests for concrete columns and beam/slab assemblies. Passed 2-4 hour slab test.
- ④ Could be used to protect concrete, steel or Tyfo® Composite Rebar without Fibrwrap®.
- ⑤ Ideal for slabs and beams.



Tyfo® EI being applied around obstacles



Completed application



Application of Tyfo® EI

Tyfo® AFP Concept

The concept of Tyfo® AFP (VG/EI-R) is to use a fire insulator in combination with a coating to resist the fire. The combination of materials is very effective as proven in testing. The summary of testing follows.

CompleteULReportsareavailable.

TESTING

TEST RESULTS: FYFE COLUMN

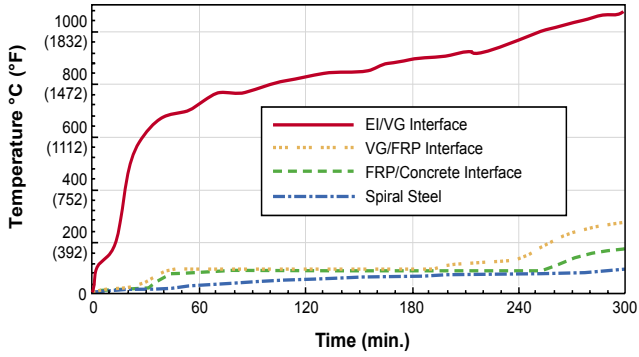
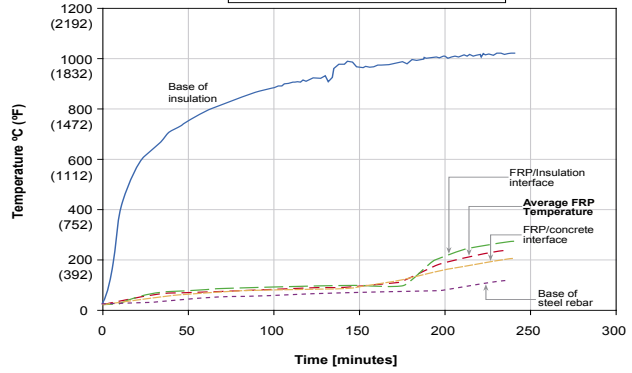


Fig. 1: Slab 2 Temperatures



Columns to be tested



Test chamber with doors open



Columns with Tyfo® Composite - still operational after 5 hours of ASTM E119 testing

Please inquire to Fyfe Co. for —
 Applicators and pricing
 Specifications
 Current List of Projects
 References

Fyfe Co. LLC

“The Fibrwrap® Company”

Nancy Ridge Technology Center
 6310 Nancy Ridge Drive, Suite 103
 San Diego, CA 92121-3209

Tel: 858.642.0694 Fax: 858.642.0947

E-mail: info@fyfeco.com Web: www.fyfeco.com