

# Tyfo® RR Standard

## DESCRIPTION

Tyfo® RR Type S is a waterbased mixture of natural stone with a unique high-tech acrylic binder (single component). It is ideal as a finish on Tyfo® Fibrwrap® Systems or as a general finish material. Coating achieves a stone or concrete appearance.

Tyfo® RR is available in gray, beige and white.

The unique binder crosslinks with air and then cures when in a layer. The material does not cure within the original bucket. Partial amounts of material in the original buckets can be resealed and used later.

The Tyfo® RR is slightly porous, so sealers are recommended for outdoor applications to prevent staining, for ease of cleaning and waterproofing. Contact Fyfe Co. LLC for approved sealers.

## ADVANTAGES

- ICC-ES ESR-2103 listed product
- Underwriters Laboratories - Class 1 rating per ASTM E84 (Flame & Smoke)
- Unique combination of sandstone and a heavy-duty, long-lasting, acrylic-based, crosslink polymer.
- For interior and exterior application.
- Applies easily to almost any horizontal or vertical surface.
- VOC level ranging from 15-53 g/l.
- Can be applied using conventional spray and surface finishing equipment
- Tyfo® RR is breathable.
- Can go over well-adhered painted surfaces.
- Has excellent adhesion to most materials.
- Good flexural strength.
- Excellent impact resistance.
- Can be pressure washed (check with Fyfe Co. LLC for maximum allowable pressure).

## TYPICAL APPLICATION SURFACES

Fibrwrap® surfaces, beams, concrete, stucco refinish, walls, plastic, metal, rubber, brick, laminates (eg., formica), drywall, wood.

## SEALERS

Contact Fyfe Co. LLC for approved sealers.

## APPLICATION

The Tyfo® RR Coating is installed at 1/32" (0.75mm or 30 mils) to 1/16" (1.5mm or 60 mils) thick.

## CLASS 1 FLAME & SMOKE

When the application is to structural elements to satisfy code requirements for interior finish, the applied thickness shall be applied at a rate of 0.56 psf to a thickness ranging from 30 mils to 60 mils (0.75mm to 1.5mm).

## COVERAGE

Approximately 30 - 40 sq. ft. (1.39m<sup>2</sup> - 2.78m<sup>2</sup>) per gallon at 30 - 60 mils when spray-applied. Applicator should allow for waste and overspray.

## SHELF LIFE

One year in original, unopened and properly stored container.

## STORAGE CONDITIONS

The material must be stored in 40°- 90° F (4°- 32° C) temperature range. Keep from freezing; material may coagulate. Store in a cool place out of direct sunlight. Keep container securely sealed and protected from physical damage.

## PACKAGING

Tyfo® RR is a 5-gallon (18.93L) unit packaged in 5-gallon (18.93L) containers.

## HOW TO USE THE TYFO® RR SYSTEM

## INSTALLATION

Tyfo® RR is spray-applied over the Tyfo® Fibrwrap® System within 72 hours of application with no primer required. If the FRP has cured for over 72 hours, scuff sand prior to the Tyfo® RR application. If using as a general finish, apply primer to substrate. Surface can be finished with trowels. Optional sealers are spray-applied or rolled on after Tyfo® RR has cured.

## CERTIFIED APPLICATORS

Tyfo® RR shall be applied only by Fyfe Co. LLC certified applicators.

## INSTALLATION CONDITIONS

At lower temperatures, the combination of temperature, humidity and Tyfo® RR thickness could result in longer cure times. At 55° F (13° C) and higher humidity, a plastic cover and heating should be used. Installations have been performed at 32° F (0° C) and low humidity with short cure times. Cure time trials should be made where required. Protect material from rain or dirt during cure time. Full cure is approximately 7 days.

## CAUTION!

### VAPOR INHALATION

Sufficient ventilation or local exhaust recommended. If needed, move subject to fresh air.

### SKIN CONTACT

Contact may cause itching and redness of the skin. Thoroughly wash exposed area with soap and water. Remove affected clothing and launder before re-use.

### EYE CONTACT

Flush with copious volumes of water for at least 15 minutes, lifting lids occasionally. Have victim remove any contact lenses. Seek medical attention.

### INGESTION

Rinse mouth several times with water and spit out. Provide 1 or 2 cups of water or milk. Stop if victim becomes nauseated. DO NOT induce vomiting. If vomiting occurs, give water to further dilute the material and seek immediate medical assistance.

### SAFETY PRECAUTIONS

Avoid breathing vapors. Avoid contact with eyes and skin. Use of an approved respirator with an organic absorption cartridge is recommended for possible vapors. Neoprene gloves, rubber boots, and protective suits are recommended for handling and application of this material. Safety glasses or a face shield are recommended to prevent eye contact.

### CLEANUP

Clean tools with water after use.

### SPILL AND DISPOSAL

Dike or otherwise contain spillage, particularly prevent ingress of spillage to stormwater drains. Pump spillage into empty drums as much as possible, then absorb. Dispose of materials in accordance with local, State and Federal disposal 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 by law

**KEEP CONTAINER TIGHTLY CLOSED.  
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

8380 Miralani Drive, San Diego, CA 92126

Tel: 858.642.0694 Fax: 858.444.2982

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.