

# Tyfo® RR (Real Rock) Type S (Standard)

## DESCRIPTION

Tyfo® RR Type S is 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.

Tyfo® RR Type S (Standard) material is limestone, sandstone (Sydney White, Natural or Desert Gold) and gray in color. The color can be changed by adding waterbase, UV-stable paint pigments on-site. See Tyfo® RR Type A (Artistic) literature for different stone and artistic finishes.

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 used to prevent staining, for ease of cleaning and waterproofing. The recommended sealants are Tyfo® PTFE Natural Sealer for walls and Tyfo® Aliphatic, Acrylic Polyurethane, waterbased with zero VOC for slabs and walkways.

## FEATURES

- ICC-ES ESR-2103 listed product
- Engineered surface coating.
- 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.
- Clear, single-component, waterbase formulation.
- VOC level of less than 10.
- Can be applied using conventional spray and surface finishing equipment (steel trowel, magic trowel (rubber squeegee)).
- Stone or concrete appearance can be achieved.
- Tyfo® RR is breathable.
- Can go over well-adhered painted surfaces.
- Has excellent adhesion to most materials.
- Good flexural strength.
- Excellent impact resistance (see test reports).

- Special additives for mildew and fungus conditions for both Tyfo® RR and Tyfo® PTFE Natural Sealer. Special order material.
- Can be pressure washed (check with Fyfe Co. for maximum allowable pressure).
- Unique Tyfo® Sealers are waterbase, UV-resistant, breathable, and waterproof.
- Large cracks which develop in substrate can easily be repaired with Tyfo® RR and Tyfo® Fibrwrap®.
- Clean up with water.

## TYPICAL APPLICATIONS

Fibrwrap® surfaces	Tile
Garages	Stucco refinish
Beams	Walkways
Pool surrounds	Walls
Driveways	Pools
Patios	

Coating over:

Concrete	Tile
Stucco	Metal
Asphalt	Rubber
Plastic	Brick
Laminates	Linoleum
(eg., formica)	Wood
Drywall	

## DAMP CONCRETE PRIMER

Tyfo® WP (wet prime).

## SEALERS TYPE A AND B

Type A - PTFE Natural Sealer for walls

Type B - Aliphatic polyurethane

## INSTALLATIONS

A number of installations of Tyfo® RR have been completed since 2000 (see partial Project Reference List).

## QUESTIONS & ANSWERS

Ask for typical question and answer sheet.

## APPLICATION

The Tyfo® RR Coating Type S (Standard) is cost-effective when installed at 1/32" (0.75mm or 30 mils) to 1/16" (1.5mm or 60 mils) thick.

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).

## INSTALLATION METHOD SIMPLE FOR TYFO® FIBRWRAP®

- Spray over Tyfo® Fibrwrap® (no primer used).
- Finish with steel or magic trowel.
- Spray or roll on Tyfo® Sealer in-place (optional if required).

## INSTALLATION METHOD FOR COATING

1. Prime with recommended primer for substrate.
2. Spray Tyfo® RR.
3. Finish.
4. Sealer (optional).

## CERTIFIED APPLICATORS

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

## SAMPLE KITS

- 4" x 4" Tyfo® SEH-51A with Tyfo® RR Type S (Sydney White).
- 4" x 4" Tyfo® SEH-51A with Tyfo® RR Type S (Gray and other colors).
- Special samples upon request.
- Type A (Artistic) 12" x 12" samples on wood.

## 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. Material can be walked on after initial cure. Full cure is approximately 7 days.

## ASSOCIATED DOCUMENTS

- Tyfo® RR Data Sheet
- Test reports
- Tyfo® RR Type A (Artistic) Literature
- Tyfo® RR Type A Data Sheet
- Reference Installation List
- "How-To" Installation Guide
- Samples
- MSDS
- General Specification

## **TYFO® FIBRWRAP® & TYFO® RR MATERIAL TESTED AS A SYSTEM**

(Reports available)

Underwriters Laboratories - Class 1 rating per ASTM E84 (Flame & Smoke)

## **TYFO® RR MATERIAL TESTING**

Marshall Laboratories, Inc. - Heat stability, Freeze/Thaw, ASTM D3395 Adhesion by Tape Test, ASTM D4541 Pull-off Strength, ASTM D1308 Chemical Resistance, Hot Tire Resistance.

National Testing Standards, Inc. - Coefficient of Friction Test, ASTM D4508 Impact Resistance, ASTM D4541 Adhesive Strength.

Smilad Laboratories - 883 hour weathering.

Building, Construction & Engineering of Australia Laboratory - ASTM 5303-1999 Ignitability, Flame Propagation, Heat Release.

## **PRODUCTS REQUIRED**

- Tyfo® Fibrwrap®
- Tyfo® RR

### *Optional*

- UV Stable Waterbase Pigments
- Tyfo® Sealer Type A for Walls
- Tyfo® Sealer Type B for Floors & Slabs

## **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.

## **PROTECTIVE EQUIPMENT**

Ventilation, safety goggles and protective gloves are also needed. Wear clothing that covers both the arms and legs.

## **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**  
**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.