# Tyfo® RR 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 final coating on Tyfo® Fibrwrap® Systems or as a general coating material.

Tyfo® RR Type S (Standard) material is sandstone, and beige in color. The color can be changed by adding waterbase, UV-stable paint pigments on-site. See Tyfo® R & R Type A (Artisitic) literature for different stone and artistic finishes.

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

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.

The Tyfo® RR is slightly porous, so sealers are used to prevent staining, for ease of cleaning and waterproofing. The recommended sealants are Tyfo® TFE for walls and Tyfo® Aliphatic, a polyurethane, waterbased, zero VOC for slabs and walkways. A polycarbonate second coat can be used over the polyurethane sealer.

**Tyfo® RR Coating Type A (Artisitic)**
(see Literature and Data Sheet)

Can use limestone and terracotta (marble in development). Taping, waterflow, staining, skip trowel, slate, steel trowel and many other finish techniques are available.

**Product Features** (ask for Tyfo® RR Data Sheet)

- 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® TFE 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 | Driveways | Walkways |
| Garages | Patios | Walls |
| Beams | Tile | Pools |
| Pool surrounds | Stucco refinish | |

*Coating over:*

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

**Damp Concrete Primer**

Tyfo® WP (wet prime).

**Sealers Type A, B, and C**

Type A - PTFE for walls
Type B - Aliphatic polyurethane
Type C - Polycarbonate 2nd coat

**Installations**

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

**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.
- 4” x 4” Tyfo® SEH-51A with Tyfo® RR Type S (concrete and other colors).
- Special samples upon request.
- Type A (Artistic) samples upon request.

## 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 with lower 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.

## Questions & Answers

Ask for typical question and answer sheet.

## 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

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

} Optional






**Fyfe Co. LLC**
Nancy Ridge Technology Center
6310 Nancy Ridge Drive, Ste. 103, San Diego, CA 92121
Tel: 858.642.0694 Fax: 858.642.0947 Email: info@fyfeco.com Web: www.fyfeco.com