

3M Advanced Materials Division

# 3M™ Stain Resistant Additive and Sealer SRA-270

## Introduction

3M™ Stain Resistant Additive and Sealer SRA-270 is a water dilutable general purpose fluorochemical emulsion designed for application to porous hard surfaces, such as terracotta, grout, marble and concrete. Properly applied, SRA-270 additive imparts excellent water, oil and stain repellent properties as well as dirt pick-up resistance to these substrates. The substrate's natural characteristics (color, breathability) are generally unaffected by the application of this product. Be sure to evaluate the 3M product for compatibility in your particular application before using.

SRA-270 additive is a water-based product and can be used as an ingredient in a wide variety of products or industrially-applied formulations.

**\*Note:** SRA-270 should not be stored at temperatures higher than 42°C (110°F). SRA-270 must be protected from freezing. If frozen, the chemical will be permanently damaged.

## Typical Physical Properties

(Not for specification purposes)

Property	SRA-270
Appearance	White emulsion
Typical Analysis	26-28% Solids 72-74% Water
Density	1.0-1.1 kg/l
pH	4.0-7.0
Shelf Life	2 years from date of manufacture

All values determined at 77°F (25°C) unless otherwise specified.

## Product Safety and Handling

SRA-270 is intended for use in non-dispersive and non-emissive applications.

3M does not recommend this product for use in applications involving repeated exposure through skin contact, inhalation or ingestion. It is not intended for food contact, cosmetic, medical or pharmaceutical usage. Neither 3M nor the U.S. Food and Drug Administration has evaluated or reviewed this product for food, cosmetic, medical or pharmaceutical applications.

Please read and follow the precautions and directions for use in the product label and Safety Data Sheet before using this product. Safety Data Sheets for this product are available from 3M Customer Service at 800-367-8905 or from your local 3M sales representative.

## Packaging

3M stain resistant additive SRA-270 is currently available in:

- 20 kg (5 gal) pails
- 120 kg (30 gal) drums
- 1000 kg (275 gal) totes

## Typical Application/ Formulation

SRA-270 additive and sealer can be added to an existing formulation or can be diluted with water and used as a penetrating sealer. Small amounts of water-miscible solvents or surfactants can be added to the formulation to increase the product penetration and wetting of the substrate.

Most commercially available application equipment such as brushes, sponges, rollers and spray applicators can be used for the application of the sealer with SRA-270 additive. Apply a uniform wet coat to ensure an even distribution of chemical.

## Suggested Formulation (by weight) as a penetrating sealer\*

Water	81.6%
SRA-270	10%
Dowanol™ DPM Or Proglyde™ DMM (Dow Chemical)	8%
3M™ Fluorosurfactant FC-4434	0.4%

**\*Note:** It has been found that the addition of 3M Stain Resistant Additive and Sealer SRC-220 in combination with SRA-270 can improve performance.

SRA-270 additive and sealer can be added to a number of commercial available water-based coating and sealer formulations. SRA-270 additive will enhance the oil, water and stain

resistant properties of most standard formulations. Typical recommended additive levels are from 0.2-3.0% actives. The additive level is dependent upon the substrate and degree of stain resistance required. It is recommended that compatibility be tested for specific formulation and substrate combinations.

**Note:** When using solvents and other chemicals, be sure to follow the manufacturer's precautions and directions for use for handling such materials.

### Suggested Formulation (by weight) as an additive to coatings and sealers\*

Commercial Product	90%
SRA-270	10%

\* **Note:** Suggested formulations are offered only as a starting point for the user's consideration. The user is responsible for evaluating and determining the suitability of any formulation and the use of a 3M product in a formulation. The user should check any formulation for, among other things, compatibility, solubility and performance.

## 3M Resources

To request a sample, place an order or request additional information, please contact your local 3M representative, an authorized 3M distributor or call 3M Customer Service at 1 800 367 8905.

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