

3M Advanced Materials Division

3M™ Stain Resistant Additive and Sealer SRA-461

Introduction

3M™ Stain Resistant Additive and Sealer SRA-461 is a fluorochemical acrylic resin concentrate in Isopar L and dipropylene glycol methylether (DPM) designed for industrial applications to porous hard surfaces such as concrete, marble, granite, limestone, terracotta and grout. Properly applied, SRA-461 imparts excellent and durable water, oil and stain resistant properties on these porous hard surfaces. The substrate's natural characteristics are generally unaffected by the application of this product. Be sure to evaluate the 3M product for compatibility in your application before using.

Product Safety and Handling

SRA-461 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.

Typical Physical Properties

(Not for specification purposes)

Property	Typical Values
Appearance	Slightly yellowish, viscous liquid
Typical Analysis	25% Solids 37.5% Isopar L 37.5% Dipropylene glycol Methylether
Density	0.95 kg/liter
Flash point	> 62°C (144°F)
Boiling point	190°C (374°F)
Shelf Life	2 years from date of manufacture
Shipping & Storage	SRA-461 should be stored between 5°C (40°F) and 50°C (122°F)

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

Packaging

3M stain resistant additive SRA-461 is currently available in:

- 25 Kg pails
- 180 Kg drums

Typical Application/ Formulation

Stain Resistant Additive and Sealer SRA-461 can be added to an existing solvent based formulation or can be diluted with solvents and used as a penetrating sealer. The choice of solvent, solvent grade or solvent blend, influences the solubility and the oil and water repellency of SRC-461 Additive. Any proposed formula should be checked for compatibility, solubility and performance.

SRA-461 concentrate can be used as an additive to a number of commercial solvent-based coating and sealer formulations. Stain Resistant Additive SRA-461 can also be added to the 100% silane or the solvent based silane formulations to enhance the oil and stain resistant properties of silane formulations.

Typical recommended additive levels (as additive or as standalone sealer) are from 0.2 -3.0% active material. The additive level is dependent upon the substrate, degree of stain resistance desired and if there are other resins in the formulation.

***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 as Standalone Sealer:

80-100 grams	SRA-461
30 grams	Dipropylene glycol methyl ether
870-890 grams	Isoparaffins

This formulation can be applied by brush, roller, spray, sponge or equivalent to porous materials such as granite, concrete, terracotta, marble and grout, etc.

***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 the product in a formulation. The user should check any formulation for 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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