

# RE-HEALING™ RF3, 3% FOAM CONCENTRATE CONCENTRATES



## Description

RE-HEALING™ RF3 foam concentrate from SOLBERG® is an innovative environmentally sustainable fluorosurfactant and fluoropolymer-free foam concentrate, used to effectively extinguish Class B hydrocarbon fuel fires. Proportioned at 3%, RE-HEALING RF3 foam concentrate can be used in fresh, salt or brackish water. RE-HEALING RF3 foam possesses excellent burn-back resistance due to its remarkable flow and rapid resealing characteristics. RE-HEALING foam concentrates are formulated using a new high performance synthetic foam technology to replace traditional AFFF, FFFP foam concentrates as well as older protein and fluoroprotein foams. RE-HEALING RF3 foam concentrate contains no sediments.

## Application

RE-HEALING RF3 foam concentrate is intended for use on Class B hydrocarbon fuel fires. It is not intended for use on Class B polar solvent fuels. The foam can be used to prevent re-ignition of liquid spills and to control hazardous vapours. On Class A fuels, RE-HEALING RF3 foam concentrate will improve extinguishment of deep-seated fires.

Foam discharge devices including both non-air-aspirating and air-aspirating equipment, including standard sprinkler heads, can be used to obtain optimal results. The product is mixed with 3 parts of foam concentrate to 97 parts of water. The product may also be used as a 3% pre-mix solution. RE-HEALING RF3 foam concentrate is compatible with most dry powder (chemical) agents.†

## Performance

### Fire Performance

RE-HEALING RF3 foam concentrate has been tested to and meets the fire performance test criteria of Underwriters Laboratories, Inc. (UL) Standard 162, FM Approval Standard 5130, European Standard EN 1568 Part 3 and International Civil Aviation Organization (ICAO) Level B.

### Foam Proportioning

RE-HEALING RF3 foam concentrate can be proportioned at the proper foam solution percentage using common foam proportioning devices†† such as:

- Eductors
- Inline balanced-pressure proportioners
- Ratio controllers
- Self-educing nozzles

## Typical Physical Properties at 25 °C (77 °F)

Appearance:	Brown liquid
Freezing Point:	-5 °C (23 °F) (No quality loss after thawing)
Maximum storage temp:	49 °C (120 °F)
pH:	7.0 - 8.0
Refractive index:	1.3865 - 1.3869
Specific gravity:	1.062 - 1.066
Viscosity:	4900 - 5300 cP*
Sediments:	None

\*Brookfield Viscometer Spindle #4, Speed 30 rpm

## Storage

The temperature range for RE-HEALING RF3 foam concentrate is 1.7 °C to 49 °C (35 °F to 120 °F).

When stored in original containers or in manufacturer recommended equipment and within the specified temperature range, the shelf life is 20 years.

## Compatibility

RE-HEALING RF3 foam concentrate should not be mixed with other foam concentrates. For questions about compatibility or mixing, consult Solberg Technical Services.



**Solberg is a global company that is a one-stop resource for firefighting foam concentrates and custom-designed foam suppression systems hardware, offering both traditional and innovative firefighting foam technology. [www.solbergfoam.com](http://www.solbergfoam.com)**

**Materials of Construction**

**Compatibility**

RE-HEALING RF3 foam concentrate is compatible with multiple materials of construction such as carbon steel, stainless steel, brass, polyethylene and PVC. Galvanized steel should not be used in direct contact with the foam concentrate. For questions about materials of construction compatibility, consult Solberg Technical Services.

**Inspection**

RE-HEALING RF3 foam concentrate or pre-mix solution should be inspected annually per National Fire Protection Association (NFPA) Standards 11 and 25. A sample of the foam concentrate should be

sent to the manufacturer for quality conditioning testing in accordance to NFPA 11.

**Environmental Information**

RE-HEALING foam concentrates are fluorosurfactant and fluoropolymer-free products for use on Class B hydrocarbon fuels, with no environmental concerns regarding persistence, bioaccumulation or toxic break-down.

**Certifications**

SOLBERG manufactured products are thoroughly inspected and undergo rigorous quality control tests. These evaluations analyze the foam's physical parameters as well as the finished product's fire performance.

A Certificate of Analysis (CoA) is issued with every batch.

RE-HEALING RF3 foam concentrate is Underwriters Laboratories, Inc. Listed in accordance with UL 162 (Standard for Safety for Foam Equipment and Liquid Concentrates), FM Approved per Approval Standard 5130, European Norm (EN) Standard 1568 Part 3 Approved and International Civil Aviation Organization (ICAO) Level B Certified.

**Ordering Information**

RE-HEALING RF3 foam concentrate is available in pails, drums, totes and bulk quantities.

<sup>†</sup> Not an FM Approved Configuration

<sup>††</sup> See FM Approval Guide

PART NO.	DESCRIPTION	APPROXIMATE SHIPPING WEIGHT	APPROXIMATE VOLUME
20020	RE-HEALING RF3, 20 litre (5 gallon) pail	21 kg (45 lb)	0.04 m <sup>3</sup> (1.25 ft <sup>3</sup> )
20021	RE-HEALING RF3, 200 litre (55 gallon) drum	224 kg (495 lb)	0.33 m <sup>3</sup> (11.83 ft <sup>3</sup> )
20022	RE-HEALING RF3, 1000 litre (265 gallon) tote	1118 kg (2465 lb)	1.42 m <sup>3</sup> (50.05 ft <sup>3</sup> )
20023	RE-HEALING RF3, bulk	Call Customer Services	

DISTRIBUTOR:



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