



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% solution, 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 a liquid spill

and to control hazardous vapours. On Class A fuels, RE-HEALING RF3 foam will improve extinguishment of deep-seated fires. Foam discharge devices including both non-air-aspirating and air-aspirating equipment, including standard fire sprinkler heads, can be used to obtain maximum 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 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, Underwriters' Laboratories of Canada (ULC) Standard S564, FM Approval Standard 5130, European Standard EN 1568 Part 3 and International Civil Aviation Organization (ICAO) Level B and C.

Foam Proportioning

RE-HEALING RF3 foam concentrate can be proportioned at the proper foam solution percentage using

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 - 8.5 |
| Refractive index: | 1.3865 - 1.3869 |
| Specific gravity: | 1.06 - 1.10 |
| Viscosity: | 4900 - 5300 cP* |
| Sediments: | <0.05% |

*Brookfield Viscometer Spindle #4, Speed 30 rpm

common foam proportioning devices†† such as:

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

Storage

The storage 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.

Solberg is a member of THE AMEREX GROUP, an alliance of independent companies with a single purpose: revolutionize the course of fire suppression technology with safer, more effective and more sustainable solutions. Together, we are Moving Industries Forward by Redefining Fire Suppression. www.solbergfoam.com

Compatibility

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

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), Underwriters' Laboratories of Canada Listed (Standard for Category 1 Foam Liquid Concentrates ULC S564), FM Approved per Approval Standard 5130, European Norm (EN) Standard 1568 Part 3 Approved and International Civil Aviation Organization (ICAO) Airport Services Manual (DOC 9137-AN/898) Part 1 – Rescue and Firefighting, Levels B and C Certified.

Ordering Information

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

[†] Not an FM Approved Configuration

^{**} See FM Approval Guide

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