

# ALL-IN-ONE FIRE PROTECTION



**firexo**

# fx51

ČSN-EN  
1568

**ALL FIRES Extinguishing Agent**  
Technical data sheet



# fx51 | ALL FIRES

ČSN-EN 1568

Conformity Assessment  
Type Certificate

| Product Name                                        | Firexo fx51                                                                                                              | Notes                                            |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Manufacturer / Distributor                          | Firexo Limited                                                                                                           |                                                  |
| Manufacturing Location                              | UK                                                                                                                       |                                                  |
| Description                                         | Firexo ALL FIRES Extinguishing Agent                                                                                     |                                                  |
| Main Ingredient                                     | Water                                                                                                                    |                                                  |
| Primary Use                                         | Firefighting Extinguishing Media                                                                                         |                                                  |
| Secondary Use                                       | Fire Retardant                                                                                                           |                                                  |
| Ph @ 20°C                                           | 7.15                                                                                                                     | Tolerance ± 1                                    |
| Density @ 20°C                                      | 1.166 g/cm³                                                                                                              | Tolerance ± 0.5                                  |
| Refractive Index @ 20°C                             | 1.39                                                                                                                     | Tolerance ± 0.5                                  |
| Viscosity @ 20°C                                    | 6                                                                                                                        | Tolerance ± 2                                    |
| Boiling Point                                       | 101°C - 145°C                                                                                                            | See RSSL Lab Report                              |
| Freezing Point                                      | -34.91°C                                                                                                                 | See RSSL Lab Report                              |
| Operating Temperature                               | -15°C to +60°C                                                                                                           |                                                  |
| Colour                                              | Clear, slightly amber                                                                                                    |                                                  |
| Solubility                                          | Fully miscible                                                                                                           |                                                  |
| Odour                                               | Neutral, slightly sweet                                                                                                  |                                                  |
| State                                               | Liquid                                                                                                                   |                                                  |
| Environmental Properties                            | See separate Laboratory Report                                                                                           |                                                  |
| Surface Tension                                     | 30.47 mN/m                                                                                                               | Tolerance ± 0.5                                  |
| Corrosion                                           | Avoid prolonged exposure to copper and its alloys (brass and bronze) and other metals that are not corrosion resistant * |                                                  |
| Method of Application – Portable Fire Extinguishers | Via aspirated nozzle or branch                                                                                           | See Tech Drawings                                |
| Method of Application – Fire Appliance              | Pump                                                                                                                     |                                                  |
| Fire Class Suitability                              | Class A / B / C / D / F, Electrical and Lithium-ion battery fires                                                        | Tested on Class D Magnesium, Titanium, Aluminium |
| Electrical                                          | Tested at 35,000 Volts (35kV)                                                                                            |                                                  |
| Approvals                                           | ČSN-EN 1568, EN3-7, EN3-8, CE, UKCA, PED                                                                                 |                                                  |
| Shelf Life of fx51                                  | 5 years (+/- 1 year) from date of manufacture                                                                            | Whilst Sealed                                    |
| Storage                                             | Store indoors between 10°C and 50°C. Avoid direct sunlight.                                                              |                                                  |
| Packing                                             | Not applicable                                                                                                           |                                                  |
| Supplied                                            | Container sizes from 1.4 litres to 1.000 litres                                                                          |                                                  |

\* Maximum continued exposure threshold is two weeks / 336 hours in accordance with EN 3-7 14.2 / Annex H.2. It is recommended that all equipment exposed to fx51 is washed out thoroughly with clean water.



## Environmentally friendly

fx51 is designed to be kind to the environment while providing powerful protection in every setting.

