

4 July 2024

Zenova Group Plc  
("Zenova" or the "Company")

Zenova FX fluid is forever chemical, PFOA / PFOS / PFAS certified compliant

Zenova Group PLC the innovative fire suppression and interdiction solutions company, is pleased to announce that Zenova FX fluid and its components have recently been independently tested by external laboratories and that the Zenova FX range of extinguishers conforms to all current regulations and planned EU regulations regarding PFOA, PFOS and PFAS.

**PFOA Regulation**

EU 2017/1000 restricts the production, use and emission of PFOA (C8). Under this legislation the maximum levels are set as

- PFOA 25 ppb (parts per billion)
- PFOA 1000 ppb

Foam concentrates may be used for firefighting with the following time limits:

- Up until 31st December 2022 when containment is not possible, and
- Up until 3rd July 2025 when containment is possible.

**Zenova FX fluid PFOA and PFOS compliance**

The Zenova FX fluid test results using the EP231X standard targeted testing show that PFOA and PFOS are reported less than the LOR (Limit of Reporting) 0.02mg/kg, equivalent to less than 20ppb.

The Zenova FX extinguisher range is fully compliant with PFOA and PFOS regulations and are legal to use even after the 3rd July 2025.

The Zenova FX fluid test results using the EP231X standard targeted testing show that PFOA are reported less than the LOR (Limit of Reporting) 0.02mg/kg, equivalent to less than 20ppb.

**PFAS Regulation**

European Chemicals agency (ECHA) has submitted a proposal calling for a maximum of 1ppm (parts per million) of currently regulated PFAS for fire extinguishing liquids. This proposal is still under discussion and is expected to be finalized and approved in 2025.

**Zenova FX fluid PFAS compliance**

The Zenova FX fluid test results using the EP231P targeted test methods show that the trace elements of regulated PFAS are at 0.007mg/kg or 7ppb (parts per billion).

The 7ppb PFAS elements in the Zenova FX fluid are far below the proposed maximum limits of 1ppm for restriction of PFAS being considered by the ECHA.

Zenova FX extinguisher range are fully compliant with the proposed ECHA legislations and are legal to use even after this legislation is passed.

**Thomas Melchior, CEO of Zenova Group** commented, "These independent laboratory tests confirm that the Zenova FX fluid in all of our extinguisher range is not only one of the most effective extinguishing agents but also one of the environmentally cleanest and fully compliant with existing and even with planned future EU legislation."

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**About Zenova Group PLC**

The Group, through Zenova Ltd, is the holder of intellectual property that underpins a suite of fire safety and temperature management products and technology. The product range is applicable to industrial, commercial, and

residential markets. The Group's products include fire retardant paints, insulating paints and render, fire extinguishing fluid and fire extinguishers. Through innovative development, and a refined formulation and development process, Zenova provides industry leading solutions across a range of fire protection and temperature management problems, comprising:

***Zenova FP, fire protection paint***

A water based, fire protection paint (also known as a 'thermofoaming' or 'intumescent' paint), which can be used on any surface and colour matched to any colour. When exposed to heat or flames, the paint expands and creates a solid foam-like crust which will not burn and insulates the surface it is painted on. This prevents surfaces from catching fire and stops fire spreading. It has been tested by global fire industry experts and complies with UK building regulations and the latest UK and European fire safety standards.

***Zenova IP, thermal insulation paint***

A thermal insulation paint embeds the most modern insulating technology in a thermos-like ultra-thin layer. It saves energy by increasing the thermal insulation level in commercial and residential buildings. Solar heat can increase the temperature within a building by 75% to 90%. Zenova IP has been independently tested and validated to deflect, absorb and dissipate up to 75% of this heat, thereby reducing the inside temperature by up to 45%. Suitable for both exterior and interior, on any type of surface

***Zenova IR, thermal insulation render***

Zenova IR is a ready mixed insulation render that can be applied to internal and external walls in commercial and residential buildings to provide immediate insulation benefits and can be colour matched to any colour.

***Zenova FX, fire extinguishers***

A fire extinguisher like no other. It puts out class A, B, F and electrical fires fully tested against European EN3 as well as British standards. Available in 6 and 9 litre sizes.

***Zenova FX500, aerosol fire extinguisher***

The Zenova FX500 is a high-performance handheld fire extinguisher that is tested by independent experts and adheres to the highest industry standards. Safe for use on any type of fire the Zenova FX500 reduces the risk of reignition. The Zenova FX 500 is quick, easy and safe to operated and has been tested to BS6165 standard.

***Zenova WB, wildfire barrier***

A wildfire barrier fluid (applied via spray wands or aerial drops), which provides a virtual barrier where fire simply will not burn. Repeated tests on a variety of extremely dry wildfire fuels (grasses, hays, brush) demonstrates the incredible fire resistance Zenova WB provides, while remaining viable after application for 30+ days in dry conditions.

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