

General Description	UN-Fr is an 'FIRE RETARDANT' additive manufactured by United Nanotech Products Ltd. It is an inorganic materials based product specially developed for protection against Fire. It helps to improve heat resistance and outdoor durability, and protect against heating. The product meets REACH specification.																		
Composition	UN-Fr is described chemically as a combination of nano- and micron- size particles of metallic oxides and surfactants.																		
Typical Properties	UN-Fr has the following typical properties: <table><thead><tr><th>Property</th><th>Analysis</th></tr></thead><tbody><tr><td>Appearance</td><td>Aqueous paste</td></tr><tr><td>Colour</td><td>White</td></tr><tr><td>Odour</td><td>Not specific</td></tr><tr><td>Specific gravity</td><td>1.25 – 1.30</td></tr><tr><td>pH (1:10 aq. solution)</td><td>7.4 – 7.6</td></tr><tr><td>Viscosity (40% aq. solution) B4/30°C</td><td>12.7 – 13.0 s</td></tr><tr><td>Solid %</td><td>35 – 40</td></tr><tr><td>Retention in 500 mesh</td><td>Nil</td></tr></tbody></table>	Property	Analysis	Appearance	Aqueous paste	Colour	White	Odour	Not specific	Specific gravity	1.25 – 1.30	pH (1:10 aq. solution)	7.4 – 7.6	Viscosity (40% aq. solution) B4/30°C	12.7 – 13.0 s	Solid %	35 – 40	Retention in 500 mesh	Nil
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Addition	UN-Fr should be added under good stirring at the dispersion stage. Good homogeneous distribution must be observed.																		
Use Level	The recommended use level of UN-FR is normally in the range 16 – 18% based on the total weight of the finished product.																		
Compatibility	UN-Fr is compatibility of the above product with the application should always be checked before use.																		
Storage Conditions	UN-Fr should be stored at temperatures within the range 5- 55°C. Storage conditions should also be in conformance with applicable legal, fire and insurance regulations.																		
Shelf Life	Under correct storage conditions the normal shelf life for this product is 12 months.																		
Safety Data Sheet	MSDS is available upon request.																		