



Dry Tech Aerogels (Pty) Ltd

The right coating for ultimate insulation.

Aerogel Products and Integrated Service Provider Leader in Energy Conservation and Environmental Protection Innovative Technology

Elementum Ultra Fire

Technical Data Sheet

Description: Ultra Fire is a one-component coating having a blend of ceramics, water based fire retardant polyurethane and silica aerogels to create a barrier against extreme fire and heat migration. The coating can withstand heat up to 1100°C. It offers a window period of six hours to extinguish the fire.

Typical Uses:

- As fire protection for
- Strategic locations on ships
- Corner beams, elevator shafts and stairwells
- Walls, ceilings and boiler rooms
- To control and contain fires in high rise buildings
- Prevent the spread of fire and smoke

Application methods: Ultra Fire can be applied to metal, concrete, masonry and composite materials. The application can be sprayed by airless spray gun or trowel. Always stir well before use. A prescribed thickness is required for specific temperatures and duration of protection.

Spread rate:

6-7m²/litre = 50mils dry

Physical Data:

- Solids by weight 62%, by volume 75%
- Dry time: 4-6 hours to tack free. Overcoat and cure window is according to humidity and temperature.
- Lead and chromate free
- Cures by evaporation
- Shelf live: Up to 3 years unopened under appropriate conditions. See MSDS
- VOC level: 75 G/L
- UV resistant
- Mould and mildew resistant

Safety Precautions: Take all appropriate safety measures to prevent property damage or injuries. See Safety Data Sheet.

Keep out of reach of children.

Limitation of liability: The information in this data sheet is based upon tests that we believe to be accurate and is intended for guidance only. Dry Tech Aerogels have no control over either quality or condition of the substrate affecting the use of the product, therefore Dry Tech Aerogels does not accept any liability arising from loss, injury or damage resulting from such use for the contents of this data sheet.

