

## FYREWRAPE FROM FDG



### FIRE PROTECTION WITH FDG FYREWRAPE

FyreWrap is a foil-faced, fire protection wrap/blanket designed to provide fire rating to ducts, kitchen exhausts, fan enclosures, penetration seals, critical services and structural steel elements.





FyreWrap's core application is for fire rating metal ducts and duct systems, both single-layered and double-layered for either horizontal or vertical systems.

FyreWrap's aluminum foil fiberglass-reinforced scrim, which completely encapsulated the core, provides additional handling strength, protection from tearing and most importantly identification of the FyreWrap in the field by building certifiers and engineers.





## Fire Resistance Level (FRL) Details:

**FyreWrap can provide a fire rating of two and three hours, for the following duct types:**

- General ventilation ducts
- Smoke spill ducts
- Smoke exhaust ducts
- Kitchen exhaust ducts
- Car-park exhaust ducts
- Chemical/fume exhaust ducts
- Zone pressurization ducts

FyreWrap	No. of layers	Fire exposure	Fire rating (FRL)
FyreWrap Elite 1.5	1	Internal fire	120/120/120
FyreWrap Elite 1.5	1	External fire	120/120/120
FyreWrap Elite 1.5	2	Internal fire	180/180/180
FyreWrap Elite 1.5	2	External fire	180/180/180

## Why FyreWrap from **FDG**?

**FyreWrap is a foil-faced, fire protection wrap/blanket designed to provide fire rating to ducts, kitchen exhausts, fan enclosures, penetration seals, critical services and structural steel elements. Key benefits include:**

- Lightweight – up to 5 times lighter than traditional fire spray
- Possible off-site installation, assisting in effective project co-ordination
- Clean use
- Aesthetically pleasing
- Clean and easy installation – no mesh required
- No masking required
- Quick and efficient construction
- Simple repair – tape up or replace section
- Tested for mold resistance
- Clear identification for fire certifying and auditing purposes
- Vibration tolerant



## | **FDG FyreWrap Users:**

Installers, mechanical services contractors, primary contractors, architects, engineers and certifiers.

## | **Applications:**

If you have previously fire tested fire-stopping systems you can now upgrade the FRL to achieve the full insulation rating and comprehensive compliant FRL with FDG FyreWrap. For example if your system previously achieved an FRL of -/120/11, it can achieve an FRL of -/120/120 with FyreWrap.

## | **Suitable For:**

FyreWrap should be included on all penetrations incorporating metallic building service such as cable trays, including large bundles of cables and metal pipe, and can also be used to upgrade existing penetrations, which are correctly stopped with Trafalgar products but are non-compliant for insulation due to the penetrating metallic services.

## | **Specifications:**

Where a metallic or ductile service penetration is nominated to have a fire rating with 120 minutes of insulation (to FRL -/XX/120) it shall be appropriately wrapped in 450mm of 38mm, 96kg/m<sup>3</sup> fully encapsulated fire resistant material, Trafalgar FyreWrap 1.5, sealed/wrapped and certified to manufactures guidelines to meet the fire-rating requirements.

FyreWrap has CSIRO approval and complies with the following:

- AS/NZS 1668.1 – 2015 – Ducts
- AS/NZS 1530.4 – 2005 – Fire Testing
- AS/NZS 1851 – Maintenance of Fire Systems

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