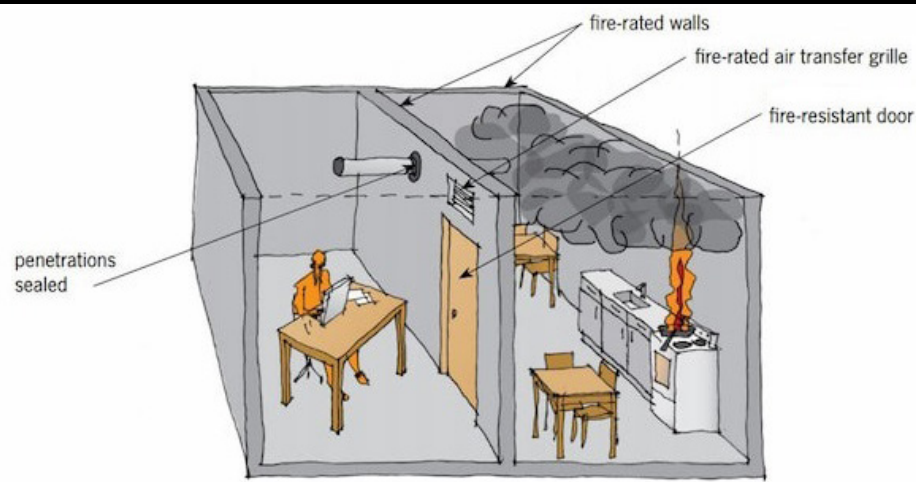


HYER STANDARDS

Fire Resistance

The Hansen Yuncken HYer Standards provide guidance on the minimum level of compliance expected for high risk activities on all projects.

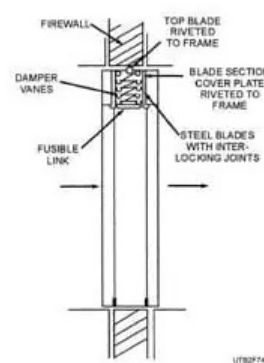
Fire Rated Elements



mdh.org.nz

- Supporting structure must be per design and have no defects/ omissions.
- The Fire Rated System (FRS) compatibility with adjoining elements is to be tested and approved in accordance with the Fire Engineer's Report
- All pre-installation activities must be completed, and Fire Rated Element installation is approved to commence.

Fire Dampers



Fire Damper



Smoke Damper

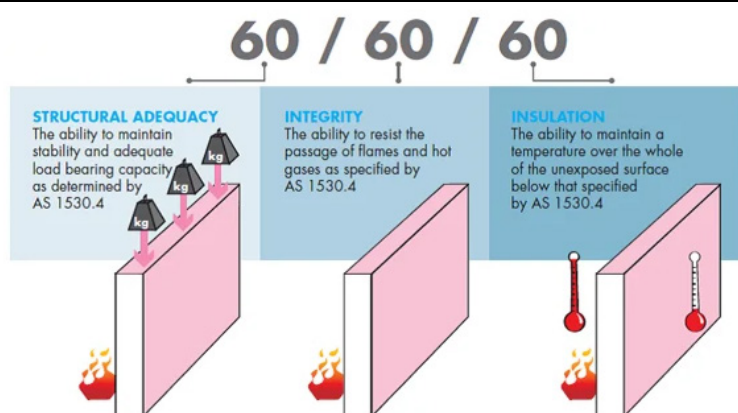


Combination Fire/Smoke Damper

extremefire.com.au

- The supporting structure (wall/slab/floor/ceiling) must be the correct FRL and accepted for fire damper installation.
- The Fire Damper:
 - Must be compatible with the fire separation element.
 - Must be installed in accordance with manufacturer's instructions and as specified.
 - Must be able to shut fully in fire mode.
 - Insulated material is to be installed around the fire damper.
 - The fire damper label must be positioned so that it can be read through the access panel.

Performance Requirements



blog.siniat.com.au

- Materials/systems must be tested for fire-resistance, integrity, and insulation.
- Materials are to withstand thermal shock and maintain integrity when subject to fire hoses or other fire extinguishing products.
- Fire-resistant installations must prevent the passage of smoke/hot gases between areas.
- Materials/systems are to be tested to demonstrate their fire properties and mechanical strength performance.
- Fire resistant elements and installations must comply with NCC requirements.

Compliance

Hold Points:

- The following are to be approved:
 - Fire Rated Element samples/ prototypes.
 - Fire Rated Element type and location.
 - Fire damper samples/ prototypes.
 - Fire damper type and location.
- All pre-installation activities are to be completed: Fire Rated Element installation approved to commence; Fire Damper installation approved to commence.
- Superintendent inspection of fire stopping systems prior to covering.

Supporting Documentation:

- Fire Rating certificate.
- Fire Rated Element Schedule.
- Manufacturer's/supplier's certificate of compliance.
- Subcontractor's certificate of Installation.
- Performance test certificates and results.



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**FIRE RESISTANCE
PROCEDURE**