

AGNI-Sleeve

PRODUCT DESCRIPTION

AGNI-Sleeve is a fire-stop product consisting of flexible fire-resistant matting with a layer of high-pressure exerting intumescent material bonded to it. It is designed to be installed through fire-rated walls, floors, and ceilings, creating a fire-resistant passage for services.

In the event of a fire, the intumescent layer of AGNI-Sleeve expands to many times its original thickness. This expanded material exerts intense inward pressure, forming a dense insulating char plug.

This property of AGNI-Sleeve enables the expanding char to seal any gaps created by melted cable insulation or plastic pipes, effectively blocking the passage of hot toxic gases and flames.

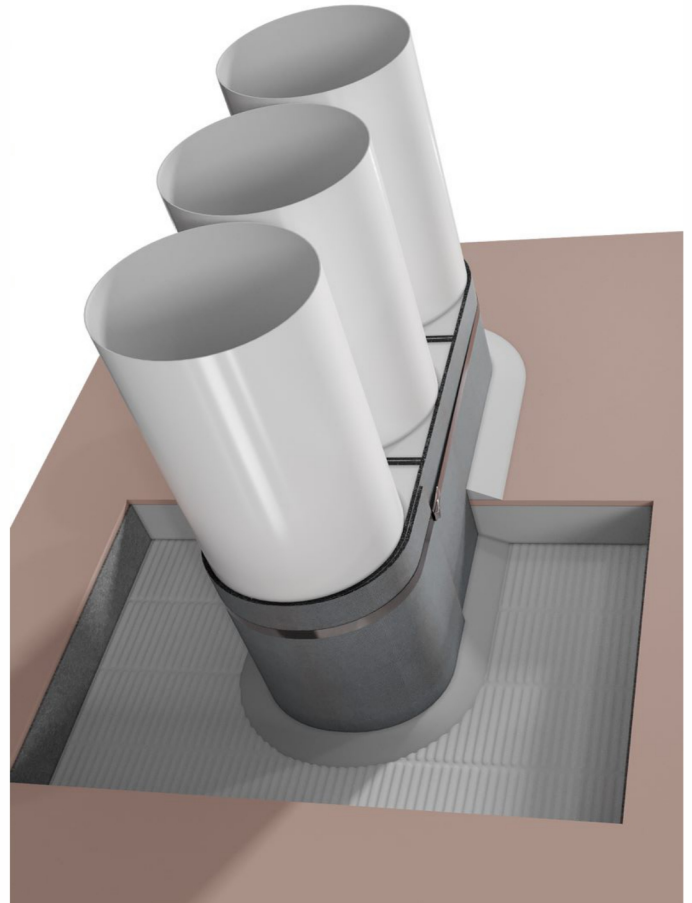
PRODUCT CHARACTERISTICS

1. Tested to AS1530.4-2014 to comply with AS4072.1- 2005 in NATA/IANZ accredited laboratories.
2. FRL/FRR is up to 240 for integrity and insulation.
3. Its innovative, flexible property makes the installation process easier for scenarios with limited space and hard-to-reach openings.
4. Tested and certified for the following substrates: plasterboard, concrete, Speedpanel and CLT.
5. Can be used in conjunction with AGNI-Board and AGNI-Seal.
6. Tested and certified for AGNI-Plumbing application covering services ranging from 20mm uPVC, PVC-C, PB, PE, PPR, PEX, PEX-AL-PEX, and insulated copper pipes.
7. Tested and certified for AGNI-Electrical applications covering the following services: conduits, power and data cables, and AC bundles.
8. Easy to install.
9. Environmentally friendly product.
10. Unlimited storage time under proper storage conditions.
11. Non-toxic, halogen-free, contains no asbestos and causes no known effects on plastic pipes.

APPLICATION

AGNI-Sleeve is designed to:

- Fire-stop service penetrations in fire-rated walls, floors & ceilings.
- Create robust, flexible, easy-to-install fire protection for complex service penetration configurations where it is not possible to install conventional fire collars
- Provide a fire-stopping seal around electrical service penetrations like cable trays, cable bundles and conduits.
- Provide a fire-stopping for floor services that are especially challenging for protection: for instance, floor wastes & sockets accessible only from one side.
- Provide a fire-stopping solution for large-diameter combustible pipes installed without separation.



TECHNICAL DATA

Width	Up to 1000 mm
Length	Up to 2500 mm (longer lengths are available on request)
Thickness	3.5 mm
Density	3.5 Kg/m ²
Expansion time	less than 7 minutes
Fire resistance rating (FRR/FRL)	Up to 4 hours
Colour	Black/grey
Storage	Unlimited if stored at t in between 50°C - 50°C