

# POW/AGroup



# Agnitek®

## AGNI-Sleeve®

*1mtr x 380mm x 3.5mm - Fire-Stop Product  
Consisting of Flexible Fire-Resistant Matting*



## 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. r plastic pipes, effectively blocking the passage of hot toxic gases and flames.

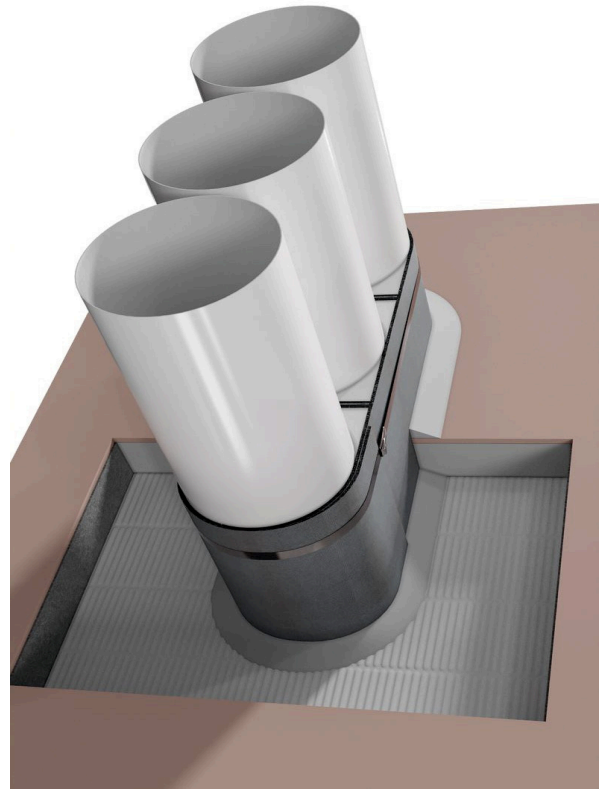
## PRODUCT CHARACTERISTICS

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 to 100mm 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 <sup>2</sup>
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