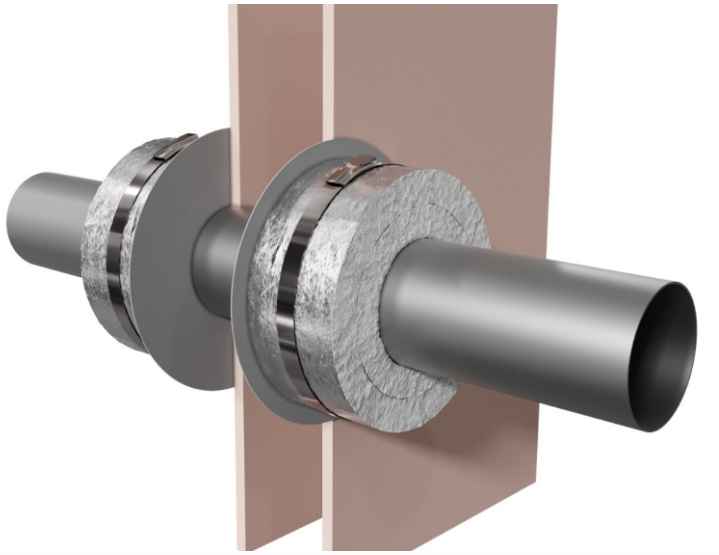
Agnitek®
FIRE RATED TECHNOLOGY

TECHNICAL DATA SHEET

AGNI-Shield®



PRODUCT DESCRIPTION

AGNI-Shield is a 13mm thick fire-resistant insulating blanket consisting of flexible, fibrous matting bonded to a foil layer.

PRODUCT CHARACTERISTICS

- Tested to AS1530.4-2014 to comply with AS4072.1- 2005 in NATA/IANZ accredited laboratories.
- Achieved FRL/FRR up to 240 for integrity and insulation.
- Tested and certified for the following substrates: plasterboard, concrete, Speedpanel and CLT.
- Tested and certified as a sole system & with AGNI-Board and AGNI-Seal.
- Tested and certified for use on metal pipes – insulated and non-insulated.
- Tested for applications with conduits, power and data cables, cable trays and AC-bundles.
- AGNI-Shield is non-toxic, halogen-free, contains no asbestos and causes no known effects on plastic pipes.
- Quick and easy to install.
- Environmentally friendly.
- Unlimited storage time under proper storage conditions.

TECHNICAL DATA

Width	600mm
Length	7,000mm
Thickness	13mm
Fire resistance rating (FRL/FRR)	Up to-/240/240
Storage conditions	-50°C up to 50°C
Package	1 roll/carton

APPLICATION

AGNI-Shield is typically installed being wrapped around penetrating services like metal pipes, insulated pipes, power and data cables, cable trays and other non-combustible services where they pass through fire-rated walls and floors to provide additional insulation to prevent excessive heat transfer to an adjacent fire compartment.

INSTALLATION INSTRUCTIONS

1. Measure length of AGNI-Shield required to wrap around the penetration allowing for at an overlap of at least 100mm.
2. Cut AGNI-Shield to the required length and width. The width of AGNI-Shield depends on the material e.g. copper, brass or steel; diameter and wall thickness of the penetration. Please confirm with the Agnitek Technical Department.
3. Wrap the AGNI-Shield around the penetration and push it firmly against the substrate surface.
4. Fixed in place using AGNI-Straps, 50mm from either end and at centres of 150mm or less.
5. Apply a bead of AGNI-Seal to the join between the layer of AGNI-Shield and the substrate.

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