



NRDD75-RDFS75

FireBrake Over Sleeves For Ø75mm Radial Semi-Rigid Duct

Installation Manual



1.0 SAFETY INFORMATION

- Precautions must be taken to avoid the back-flow of gases into the room from the open flue of gas or other fuel-burning appliances.
- This equipment should not be used by children or persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning the safe use of the equipment by a person responsible for their safety. Children shall not play with the equipment. Cleaning and user maintenance shall not be carried out by children.

1.1 Symbols



REFER TO INSTRUCTION MANUAL

Read and understand the installation and maintenance manual before installing, operating or maintaining this product.

1.2 Important Information

This manual contains important information on the safe and appropriate assembly, transport, commissioning, operation, maintenance, disassembly and simple troubleshooting of the product.

While the product has been manufactured according to the accepted rules of current technology, there is still a danger of personal injury or damage to equipment if the following general safety instructions and the warnings contained in these instructions are not complied with.

- **Read these instructions completely and thoroughly before working with the product.**
- **Keep these instructions in a location where they are accessible to all users at all times.**
- **Always include the operating instructions when you pass the product on to third parties.**

1.3 Personal Protective Equipment

The following minimum Personal Protective Equipment (PPE) is recommended when interacting with Nuaire product:

- **Protective Steel Toed Shoes** - when handling heavy objects.
- **Full Finger Gloves (Marigold PU800 or equivalent)** - when handling sheet metal components.
- **Semi Fingerless Gloves (Marigold PU3000 3DO or equivalent)** - when conducting light work on the unit requiring tactile dexterity.
- **Safety Glasses** - when conducting any cleaning/cutting operation or exchanging filters.
- **Reusable Half Mask Respirators** - when replacing filters which have been in contact with normal room or environmental air.

Nuaire would always recommend a site specific risk assessment by a competent person to determine if any additional PPE is required.

2.0 INTRODUCTION

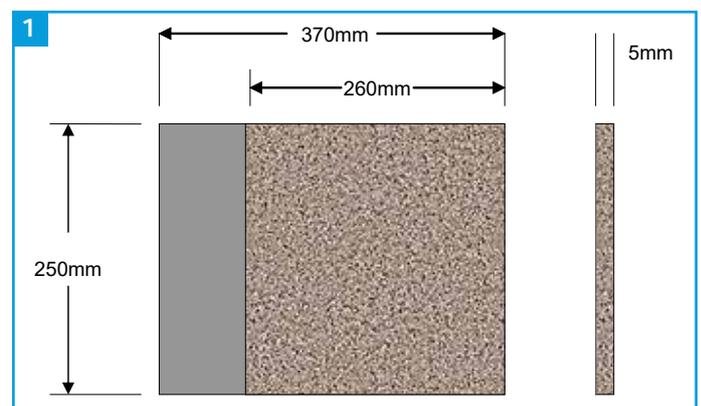
The Radial FireBrake over-sleeve is designed to be used in horizontal installations around Radial Ø75mm semi-rigid duct where the duct passes through partition walls and those walls are separating two different fire compartments. The instructions overleaf should be followed carefully to ensure correct installation.

The over-sleeve is made from a combination of mineral and organic fibre with graphite in an organic binder. It can cause irritation to eyes and may cause slight irritation to skin. The product does not present any acute toxicity hazards if ingested or inhaled however medical advice should be sought. For more information, a full material safety data sheet is available on request.

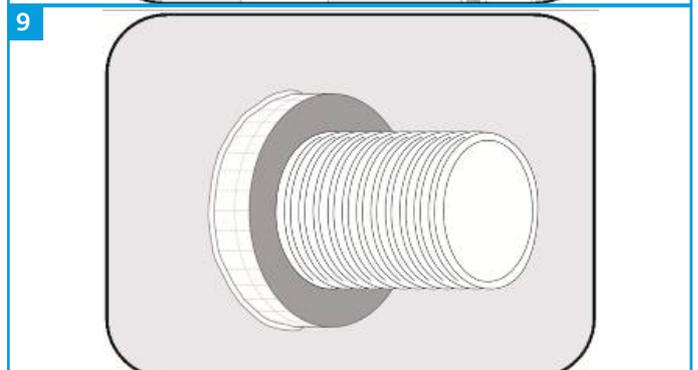
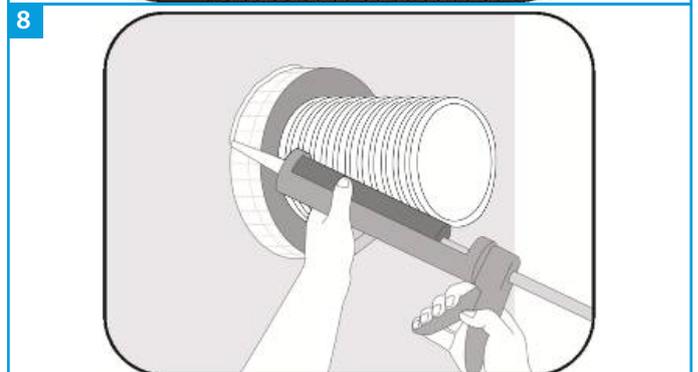
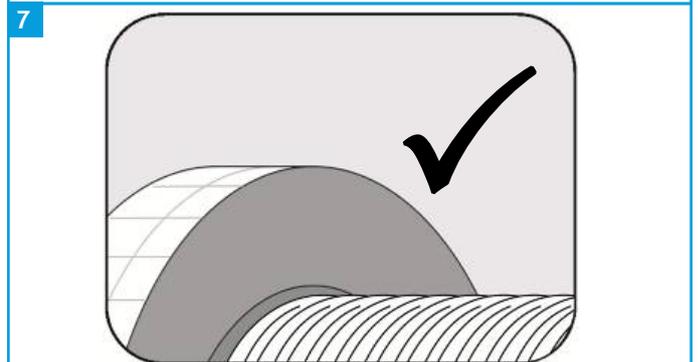
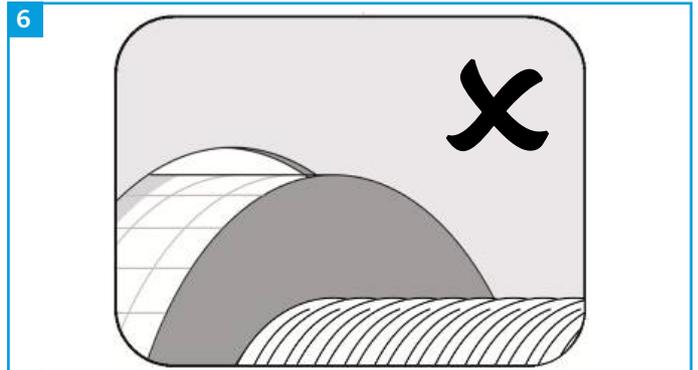
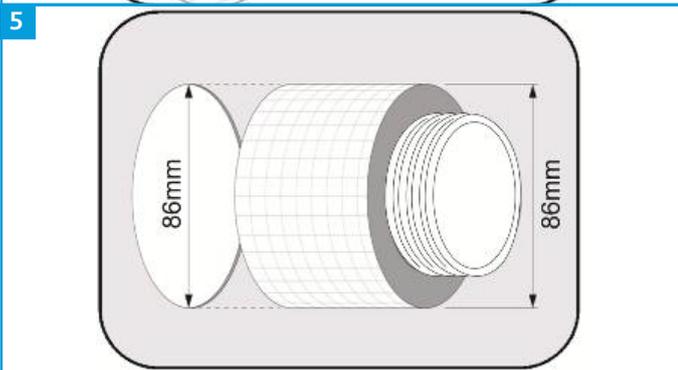
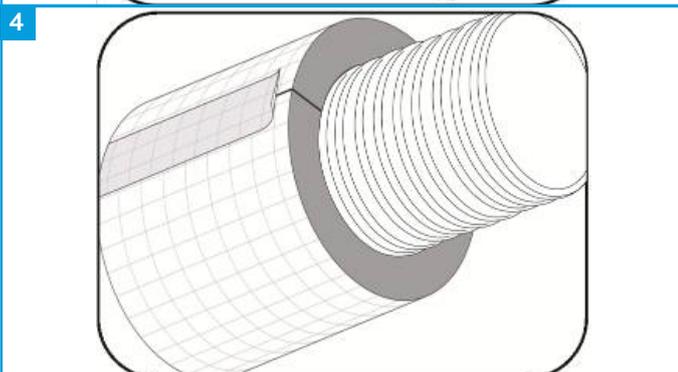
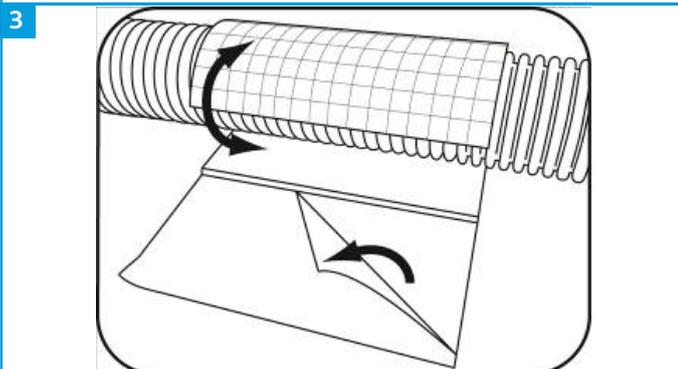
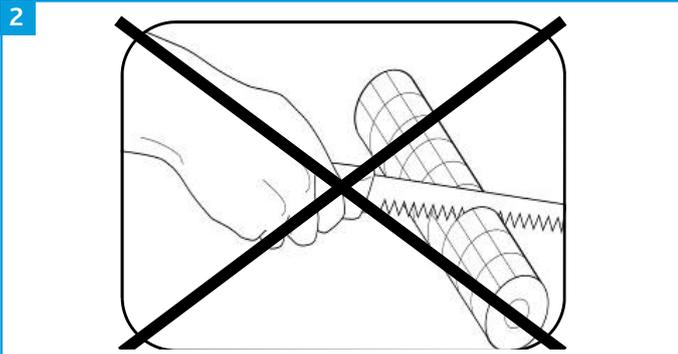
The Radial FireBrake over-sleeve has been independently tested in accordance with EN1366-3 and achieves a fire resistance classification of EI120 (according to EN13501). This means that the product is able to prevent the spread of both heat and smoke gas for 120 minutes.

2.1 Fire Ratings – Wall Penetrations

Tested according to BS EN 1366 Part 3 offering up to EI120 according to EN 13501.

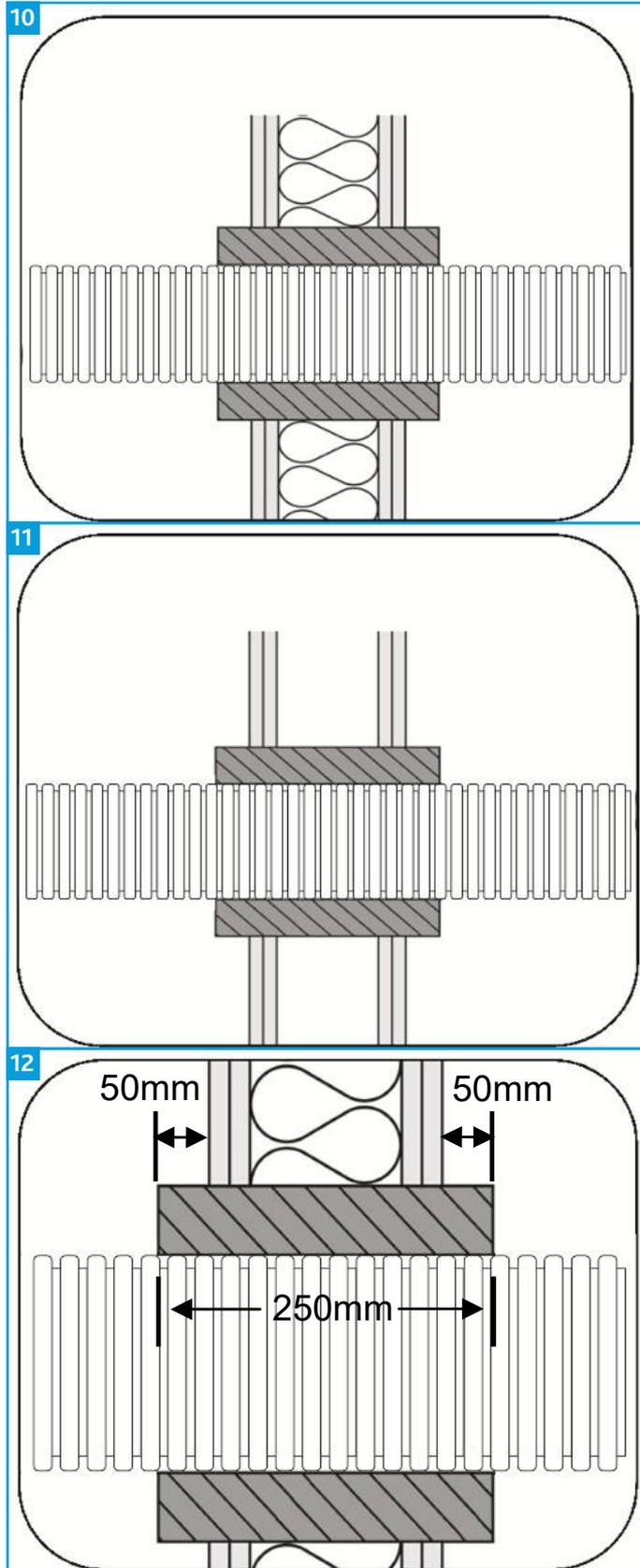


3.0 MECHANICAL INSTALLATION



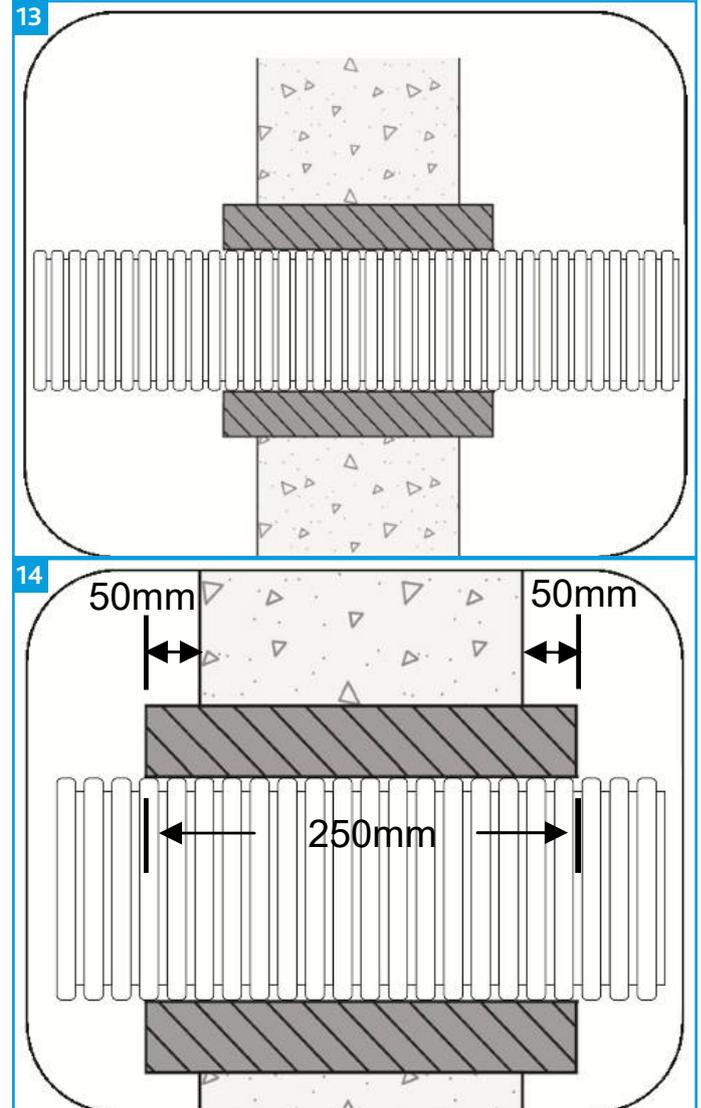
3.1 Wall Penetrations – Drywall Partition

For timber stud partitions, seal must be $\geq 100\text{mm}$ from studs with $\geq 100\text{mm}$ of insulation (A1 or A2 to EN13501-1) between seal & stud.

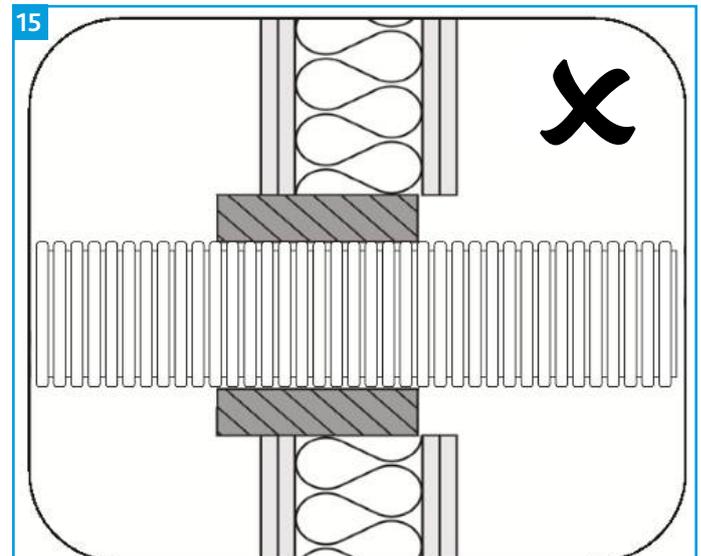


3.2 Wall Penetrations – Solid Wall

Rigid walls must comprise concrete, aerated concrete or masonry $\geq 650\text{kg/m}^3$ (Wall Type A) or concrete, masonry $\geq 1100\text{kg/m}^3$ (Wall Type B)



3.3 Drywall Partition / Solid Wall Bad Installation



4.0 END-OF-LIFE AND RECYCLING

Where possible Nuair use components which can be largely recycled when the product reaches its end-of-life:

- EPP, plastic ducting, nylon corner pieces, plastic heat exchangers, packaging material and other plastic components can be segregated into mixed plastic and widely recycled.
- Cardboard packaging, wood, used filters and other paper components can be largely recycled or fully processed in energy from waste centres.
- Remaining Items can be further segregated and processed in accordance with the zero waste hierarchy. Please call After Sales Support for further information on items not listed above.

Ensure that Nuair product is made safe from any electrical / water / refrigerant supplies before dismantling commences. This work should only be undertaken by a qualified person in accordance with local authority regulations and guidelines, taking into account all site based risks.

5.0 AFTER SALES AND REPLACEMENT PARTS

For technical assistance or further product information, including spare parts and replacement components, please contact the After Sales Department.

If ordering spares please quote the serial number of the unit together with the part number, if the part number is not known please give a full description of the part required. The serial number will be found on the identification plate attached to the unit casing.

Telephone 02920 858 400
aftersales@nuaire.co.uk

Technical or commercial considerations may, from time to time, make it necessary to alter the design, performance and dimensions of equipment and the right is reserved to make such changes without prior notice.