Technical Data Sheet

Product: Primary Pro - Sleeves

Product Codes: PS028 - Primary Pro 22mm Sleeve | PS028E - Primary Pro 28mm Sleeve | PS035 - Primary Pro 35mm Sleeve

Date Issued: November 2025 **Version:** Rev 2

Product Description

Primary Pro Sleeves are protective wall-penetration sleeves designed specifically for routing pre-insulated copper pipework through external walls.

They prevent insulation damage caused by cement, debris, abrasion, moisture and movement, helping to ensure a durable, clean and weather-resistant installation when used with Primary Pro Bond & Seal.

These sleeves provide the correct clearance for insulated pipework, preventing compression and reducing thermal bridging across the building envelope.

Applications

- External wall penetrations for insulated copper pipework
- Air source heat pump installations
- For external wall use only (not to be used in fire-rated or compartment walls)

Features & Benefits

- Designed specifically for external wall penetrations
- Protects insulation from moisture, cement, chemical attack, debris and abrasion
- Maintains insulation integrity by preventing compression
- Works with Bond & Seal for airtight and weather-resistant sealing
- Supports long-term system performance and reduces thermal bridging
- Can be cut to size using standard tools

Technical Data

Property	PS028
Sleeve Material	HDPE (PE80)
Outer Diameter	77.5 ± 0.4mm tolerance)
Wall Thickness	2.5 mm ± 0.3mm tolerance
SDR Rating	SDR25

Sleeve Length	1 metre
Compatible Insulation Size	22mm Primary Pro
Colour	Black
Application	Domestic primary flow/return through external walls
Property	**PS028E**
Sleeve Material	HDPE (PE80)
Outer Diameter	80.9 ± 0.5mm tolerance
Wall Thickness	2.8mm ± 0.3mm tolerance
SDR Rating	SDR26
Sleeve Length	1 metre
Compatible Insulation Size	28mm
Colour	Black
Application	Domestic primary flow/return through external walls
Property	**PS035**
Sleeve Material	HDPE (PE80)
Outer Diameter	90 mm ± 0.3mm tolerance
Wall Thickness	3.5 ± 0.4mm tolerance
SDR Rating	SDR26
Sleeve Length	1 metre
Compatible Insulation Size	35mm Primary Pro
Colour	Black
Application	Domestic primary flow/return through external walls

Installation

- Core-drill the opening to suit the sleeve outer diameter
- Insert the sleeve fully through the external wall
- Ensure insulation is not compressed within the sleeve
- Seal internally and externally using Primary Pro Bond & Seal to ensure airtight, weatherproof penetration sealing
- Sleeves may be cut to length using standard HDPE-compatible tools
- Ensure installation complies with project-specific building regulation requirements

Material Properties (HDPE PE80)

Property	Value
Density	~0.95 g/cm^3
Chemical Resistance	Excellent – resistant to cement, alkalis, acids
UV Stability	Carbon-black reinforced
Water Absorption	Low
Mechanical Impact Resistance	High

Fire & Material Information

Primary Pro Sleeves are manufactured from HDPE (PE80), which is not a fire-rated material.
These sleeves are designed for use with external wall penetrations only.
Installers must ensure all installations comply with the relevant local building regulations, standards and project-specific requirements.
Primary Pro Sleeves must not be used in fire-rated walls, floors or compartment structures.

Storage & Handling

- Store in cool, dry, shaded conditions if held long-term
- Protect sleeve ends during transport
- Avoid prolonged UV exposure before installation
- Handle and cut using standard HDPE-compatible tools

Health & Safety

Non-hazardous under normal use.

Follow standard site safety procedures during installation and cutting.

Contact

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