

NS Putty Pad

Technical Data Sheet



APPROVED
CF 515



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Product Technical Data

Product Overview

Technical Description of NS Putty Pads

NS Putty Pads are pre-cut ablative pads designed for easy application around single and double electrical socket installations. Tested in accordance with EN1366-3:2009, NS Putty Pads provide up to 2 hours fire resistance.

Acoustic rated to BS EN ISO 10140/3. Tested for air permeability to EN13141-1 Ventilation for buildings.

Intended Use

The specific elements of construction that the system NS Putty Pads may be used to provide a penetration seal in, are as follows:

- Fire resistance testing to EN 1366-3 EI 120.
- Fire Classification to EN 13501-2.
- Certifire 3rd Party Accreditation CF 515.
- Acoustic Isolation to EN 10140 to 65dB.
- Fire resistance tested in flexible and rigid walls.

Key Product Points

- Causes no known effects to plastic pipes, plastic cables, sheathing or metallic components.
- Contributes to Green Building.
- Non-setting compound.
- Highly flexible.
- Halogen free, resists fungi and vermin.
- Maintains a fire barrier around sockets in flexible wall systems.
- High tack adhesion, pliable and mouldable with excellent self bonding properties.
- Preformed shape to fit most common socket boxes.
- Shelf Life 18 months.



Product Technical Data

Description for NS Putty Pads	Result	Test Standard
Colour	Green	
Activation	250°C	
Density	1.55-1.6 g/cm ³	ISO 2811-1:2011
Thickness	4mm	
Fire Resistance	Up to 120 minutes	EN 1366-3: 2009
Expected Shelf Life	18 months	Store in dry conditions unopened
pH Value	8.2	
Application temperature	+5°C to +45°C	
U.V Resistance	Good	
Fire Resistance	EI 120	EN 1366-3
Fire Classification	EN 13501-2	

Installation for NS Putty Pads

Fold the pad to the shape of the box pressing the edges together.

Press home in and around the box, make a small hole to pull the cables through and seal up firmly.

Work in and around the corners to ensure complete coverage of the socket box.

For external application over the socket box press hard against the partition and make sure there is a good tight fit using pressure.

For internal application trim back around the box to suit and make sure that there is a good seal around any cables before fitting the face of the socket.

Can also be installed over the back of the Socket Box.



Performance Data - Walls

Substrates

The walls shall be a minimum of **135mm thick**. Drywalls shall comprise a minimum of 2 layers of 'Type F' Gypsum board on both faces, with minimum 50mm studs. Masonary / Concrete walls shall have a minimum density for concrete or brick of 670 - 780kg/m³ and for aerated concrete blocks of 600kg/m³. All walls shall have at least the same fire resistance as that required for the sealing system.

Service support requirements

Services should be rigidly supported via steel angles, hangers or channels, not further than 400mm from the surface of the sealing system on both faces unless specified otherwise in the performance data.

FLEXIBLE AND RIGID WALL

Electrical Sockets

Flexible and Rigid wall constructions with a minimum wall thickness of 135mm.		
Penetration Specification	Integrity	Insulation
Inside back box to each face.	120	120
Outside back box to each face.	120	120
Inside to exposed face back box, outside to unexposed face back box.	120	120
Outside to exposed face back box, outside to unexposed face back box.	120	120
Inside baack box to each face (insulation cut away 400mm x 300mm).	120	90
Inside back box to each face.	120	120
Outside back box to each face.	90	90
Inside to exposed face back box, outside to unexposed face back box.	90	90
Outside to exposed face back box, inside to unexposed face back box.	120	120
Inside back box to each face (insulation cut away to 300mm x 300mm).	90	90

Electrical Sockets

Flexible and Rigid wall constructions with a minimum wall thickness of 135mm.		
Penetration Specification	Integrity	Insulation
Inside back box to each face.	90	90
Inside back box to each face.	120	120



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