

Heatshield P250 Putty & Putty Pads

Non setting silicone polymer based ablative putty

Product Description

Heatshield P250 Flexible Putty is a versatile, non setting re-useable putty used to maintain fire resistance in compartment walls (including gypsum drywalls) and floors where openings in these construction elements are formed to accommodate building service penetrations. In a fire situation, **Heatshield P250 Flexible Putty and Putty Pads** chars to form a robust barrier which prevents the passage of flames and hot gases through these openings and which restricts temperature rise on the non-fire side of the wall or floor. **Heatshield P250 Flexible Putty** is comprehensively tested and independently certified for use with single or bundled cables, including up to 90mm diameter bundles of Cat5e network cables, requiring only a 20mm deep layer. **Heatshield P250 Flexible Putty** are also available in 3.5mm thick pads which are used to seal electrical socket boxes installed into Gypsum Drywalls.

Heatshield P250 is available in 1kg Tubs and P250 Pads (20 per box) for single or 2 gang sockets. Socket box pad sizes: **Single** – 170mm x 170mm x 3.5mm **Double** – 230mm x 170mm x 3.5mm.

Intended Uses

Heatshield P250 Flexible Putty and Putty Pads are independently tested and certified for a range of cables and configurations, in concrete walls and floors and for reinstating the fire resistance of Gypsum Drywalls where electrical socket boxes are installed.

A. Electrical Cables

Up to 120 / 120 Mins fire resistance (Integrity & Insulation) when used to seal single cables and cable bundles, and Cat5e network data cable bundles in concrete floors.

NOTE: backing material for all installations is min 50kg mineral fibre packed into void around cables.

B. Electrical Socket Boxes in Gypsum Drywall

Up to 120 /120 Mins fire resistance (Integrity & Insulation) when installed inside socket boxes within thickness of Gypsum Drywall.

Installation Instructions

Heatshield P250 Flexible Putty Putty is easily installed using readily available hand tools (knife, and spatula or flat tool for finishing

A. Cables & Cable Bundles in Walls and Floors

1. Remove loose debris, grease, oil and bituminous material from all contact surfaces.
2. Install backing material as per manufacturers recommendations allowing for min 20mm depth of P250 Putty to be installed.
3. Knead the P250 Putty by hand until easily mouldable and flexible.
4. Insert the P250 Putty around and between the cables to a minimum depth of 20mm, ensuring that all voids / spaces are filled and sealed. Exposed surface can be tooled smooth with damp trowel or spatula if required.
5. Repeat installation on both sides of wall or floor

NOTE: backing material for all installations is min 50kg mineral fibre packed into void

B. P250 Putty Pads for Electrical Socket Boxes

1. **IMPORTANT** - Socket boxes should be installed by a suitably qualified electrical contractor.
2. Ensure all contact surfaces are clean and free from debris, grease, oil and other contaminants.
3. Remove backing paper from P250 Putty Pad
4. For internally fitted pads press the pad into socket box so that the back and sides are fully covered, and ensure that the pad is adhered to the box by applying light pressure by hand. Make a small cut in the P250 Pad to allow for the cables to pass through during installation.

For back fitted pads, press the pad over the back face of socket box, ensuring that the box is completely covered and that the pad overlaps onto the gypsum board. Apply light pressure by hand to ensure full adhesion to the socket box and Gypsum board. Make a small cut in the P250 putty pad to allow for cables to pass through during installation.




Heatshield

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Key Benefits

- Independently Tested & Certified
- Maintenance Free
- Solvent Free
- Non Hazardous
- Easy Installation
- Flexible & Durable
- Non Setting
- Reuseable
- Economic Solution
- ISO 9001 Quality Assured



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European Assessment Documents:
EAD350454-00-1104 - Sep 2017

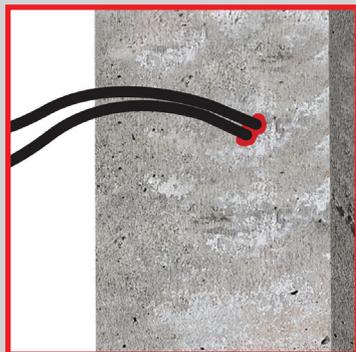
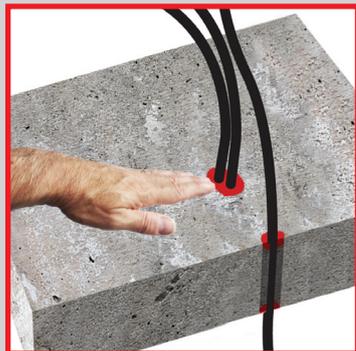


ENCG R.41917

Certificate No:
UL-EU-01307-EN

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Physical Properties

Composition	Non setting silicone polymer based putty containing flame retardent additives, inert organic fillers & pigment
Colour	Red
Sg	1.70 - 1.76 at 20 °C
pH	7.8 - 8.6
Skin Forming Time	Non Setting
Tack Free Time	Non Setting
Depth Cure	N/A
Activation Temperature	Approximately 200 °C
Application Temperature	+4 °C - +40 °C
Service Temperature	-5 °C - +70 °C
Limitations	Do not use in conditions of continuous immersion, below ground or in areas of high mechanical abrasion.
Storage	Store in 5 - 35 °C
Shelf Life	24 Months when stored as advised

Fire Performance

Reaction to Fire	BS EN13501.1	Class E
Resistance to Fire	BS EN13501.2	

Cable Seals

Min 135mm thick flexible wall with P250 Putty installed within the thickness of wall and flush with both sides of wall

Penetration Specifications	Max. Opening Size	Backing Material	P250 Seal Details	Classification
Single electrical cable of N2XH (5x1.5mm ²) Ø ≤ 14mm	Ø ≤ 71mm	30mm thickness of ≤ 50kg/m ³ mineral fibre recessed into wall by 20mm	20mm depth finished flush with wall surface and/or with a bead around cable	E 120 EI 120
Single electrical cable of H07RN (4x95mm ²) Ø ≤ 60mm				E 120 EI 120

Min 125mm thick rigid wall with P250 Putty installed within the thickness of wall and flush with both sides of wall

Penetration Specifications	Max. Opening Size	Backing Material	P250 Seal Details	Classification
Cables, single or bundle up to 6 No of NYM-J (5x2.5mm ²) Ø ≤ 14mm	Ø ≤ 71mm	No Backing Material	20mm depth finished flush with wall surface	E 120 EI 90

Min 150mm thick rigid floor with P250 Putty installed within the thickness of floor and flush with both sides

Penetration Specifications	Max. Opening Size	Backing Material	P250 Seal Details	Classification
Single electrical cable of H07RN (4x95mm ²) Ø ≤ 60mm	Ø ≤ 71mm	≤ 50kg/m ³ mineral fibre recessed into wall by 20mm from top and bottom surfaces	20mm depth finished flush with top and bottom surfaces of floor	E 120 EI 120
Cables, single or bundle up to 10 No of NYY-J (5x1.5mm ²) Ø ≤ 14mm	Ø ≤ 82mm			E 120 EI 120
Electrical cables, single or bundle, or Cat 5e cables bundle Ø ≤ 90mm	Ø ≤ 102mm			E 120 EI 120

Fire Performance

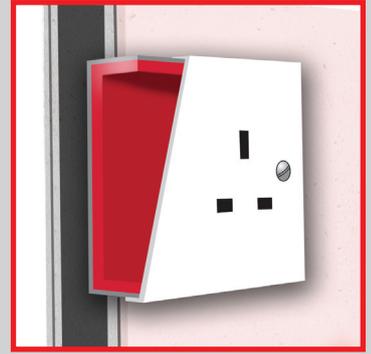
Electrical Socket Box Protection

Min 135mm thick flexible wall with P250 Putty Pads installed in or around plastic socket boxes within the thickness of the wall

Penetration Specifications	P250 Putty Pad Configuration		Aperture Size	Classification
	Non-Fire Side	Fire Exposed Side		
2 Gang socket lining box with outer socket cover 143 x 83 x 47mm	P250 Putty Pad fitted over back of socket box & overlapped 10mm to inner face of gypsum board	P250 Putty Pad fitted to inside of socket box	137mm wide x 75mm high	E 90 EI 90
2 Gang socket lining box with outer socket cover 143 x 83 x 47mm	P250 Putty Pad fitted to inside of socket box	P250 Putty Pad fitted over back of socket box & overlapped 10mm to inner face of gypsum board	137mm wide x 75mm high	E 90 EI 90
2 Gang socket lining box with outer socket cover 143 x 83 x 47mm	P250 Putty Pad fitted to inside of socket box	P250 Putty Pad fitted to inside of socket box	137mm wide x 75mm high	E 120 EI 120

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UAE OFFICE:

Triton Middle East LLC
New Sanaya Industrial Area
Umm Al Quwain
United Arab Emirates

Tel: +971 6 7672327

Email: info@greentech-heatshield.com

UK OFFICE:

Greentech Heatshield UK Ltd
Lochnagar House
Drumlithie
Stonehaven
AB39 3YS

Tel: +44 (0)1569 769144

Email: info@greentech-heatshield.co.uk

EU Authorised Representative:

24Hour-AR
Van Nelleweg 1
3044 BC
Rotterdam
The Netherlands

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