

This installation guide is intended for general information only and all details should be checked against relevant supporting test evidence and certification.



PLASTIC BOXES:

1. Ensure the correct size putty pad is selected for the socket box. The Quelfire Intumescent Putty Pads are available to suit both single and double sockets.



2. The wall should be constructed in accordance with the manufacturer's specification and recommendations. The installer is responsible to ensure that the test evidence is relevant to the application and the socket box should be installed in accordance with the manufacturer's recommendations.



3. The plasterboard should be cut tight around the socket box.



4. Ensure that all surfaces are free from dust, dirt, grease and other contamination.



5. Remove the putty pad from the paper backing and insert the pad into the socket box.



6. A cut or slot can be made for the cables.



Quelfire Intumescent Putty Pads INSTALLATION INSTRUCTIONS

7.a The Putty Pad should completely cover the back and sides of the socket box right up to the front face of the wall.



7.b



8. Ensure the Putty Pad is firmly pressed into the whole box and mould the putty back around the cable penetration ensuring that the original 3mm thickness of the putty is maintained at all times.



9.a Any excess material can then be trimmed off and discarded.



9.b



10. Confirm the Putty Pad is firmly pressed into the whole box and sealed along the front edge.



11. Clear the screw holes.



12. Finally, fit/refit the cover plate as required.



METAL BOXES:

1. Ensure the correct size putty pad is selected for the socket box. The Quelfire Intumescent Putty Pads are available to suit both single and double sockets.



2. The wall should be constructed in accordance with the manufacturer's specification and recommendations. The installer is responsible to ensure that the test evidence is relevant to the application and the socket box should be installed in accordance with the manufacturer's recommendations.



3. The plasterboard should be cut tight around the socket box.

Note: Where the plasterboard is not cut tight around the socket box, oversized gaps of up to 5mm have been tested, please contact Quelfire technical department and request detail PP-FW120-04 where you will note the gap should be filled with QuelStop Intumescent Acrylic Sealant.



The socket box should normally be positioned within the depth of the fire rated plasterboard.

Note: If the box is not installed as shown, a maximum gap of up to 5mm between the box and the back of the fire rated plasterboard is tolerable, please refer to Quelfire technical department and request detail: PP-FW120-03 where you will note PVA glue should be applied to the exposed edges of the fire rated plasterboard.

4. Ensure that all surfaces are free from dust, dirt, grease and other contamination.



5. Remove the putty pad from the paper backing and insert the pad into the socket box.



6. A cut or slot can be made for any cables.



7.a The Putty Pad should completely cover the back and sides of the socket box right up to the front face of the wall.



7.b *Note: where metal boxes are deeper than a standard Putty Pad, additional putty can be added to bring the overall seal to the front edge of the wall ensuring that the original minimum 3mm thickness is maintained at all times.*

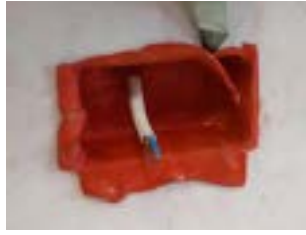


8. Ensure the Putty Pad is firmly pressed into the whole box and mould the putty back around the cable penetration ensuring that the original 3mm thickness of the putty is maintained at all times.



Quelfire Intumescent Putty Pads INSTALLATION INSTRUCTIONS

9.a Any excess material can then be trimmed off and discarded.



9.b



10. Confirm the Putty Pad is firmly pressed into the whole box and sealed along the front edge.



11. Clear the screw holes.



12. Finally, fit/refit the cover plate as required.



Technical Support & Guidance:

Should you require any further information regarding this product, please do not hesitate to contact the technical department at Quelfire Ltd.

Tel: **0161 928 7308**. Email: technical@quelfire.co.uk

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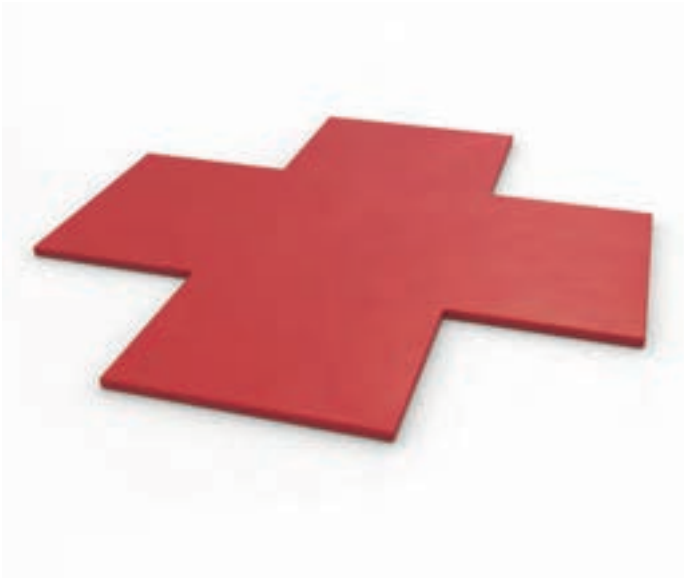
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PUTPAD INTUMESCENT & ACOUSTIC PUTTY PADS

Quelfire Intumescent & Acoustic Putty Pads are designed to maintain the fire resistance of plasterboard partitions where they have been penetrated by plastic or metal electric socket boxes. They also make a significant contribution to the reduction of air leakage in properties, helping reduce energy costs and carbon emissions.



Single Socket Quelfire Intumescent & Acoustic Putty Pad



Double Socket Quelfire Intumescent & Acoustic Putty Pad installed

FEATURES & BENEFITS

- Tested to the principles of BS EN 1366-3:2009 and assessed to BS EN 1363-1:2012
- Up to 2 hour fire rating
- Acoustic Tested to BS EN ISO 140-3:1995
- Up to 70dB reduction
- Easily installed by hand
- Provides a cold smoke seal
- Suitable for plastic electric socket boxes
- Suitable for metal electric socket boxes
- Tested specifically to suit common challenges
- Tested on Multimedia socket plate
- Can be easily retrofitted

APPLICATION / INSTALLATION

Quelfire Intumescent Acoustic Putty Pads are suitable for use in both metal and plastic electric socket boxes and to suit both single and double electric socket boxes.

They can be fitted during installation of the socket boxes or as a retrofit solution. Installation is simple and requires no special tools or skills and a installation guide is available.

The simple process is: Remove the cover plate, ensure the box is dust free, remove the backing paper and mould the putty pad into the socket box ensuring the socket box is completely covered right out to the front face of the wall, trimming off any excess if required. A slit can be cut with a knife where any wires penetrate and the putty can then be resealed around the wire once fitted.

The Quelfire Intumescent Putty Pad has been additionally fire tested to cover situations that arise on site such as socket boxes set back into the wall, over-sized holes and media plates, full details are available on request from the Quelfire Technical team.

COMPOSITION

Quelfire Intumescent & Acoustic Putty Pads are manufactured from a mouldable, red, non-setting silicone based intumescent polymer.



The Warringtonfire Logo displayed is the trademark of Warringtonfire registered in the United Kingdom. The Warringtonfire Logo is evidence that the products denoted as 'Tested by Warringtonfire' were tested to BSEN 1366-3: 2009 in England between September 22nd 2015 and January 7th 2021.

ACOUSTIC PERFORMANCE

The Quelfire Intumescent Acoustic Putty Pad will help with reducing the room-to-room noise transfer through socket penetrations and have been acoustic tested to BS EN ISO 140-3:1995 achieving up to 70dB reduction in standard socket configurations.

FIRE PERFORMANCE

When subjected to fire, the Quelfire Intumescent Acoustic Putty Pad reacts forming a robust fire resistant char to prevent the passage of fire through the socket box and cable penetrations.

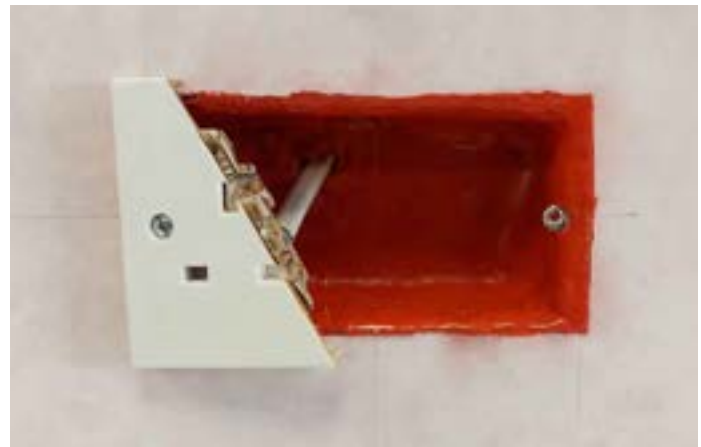
They can be installed to sockets that are both offset or back-to-back in both plastic and metal socket boxes:

TABLE OF RESULTS IN PLASTIC BOXES

Socket size	Back-to-Back or Off-Set	Wall thickness	Socket box	Integrity (minutes)	Insulation (minutes)
Single	Off-Set	100mm	Plastic	120	120
Single	Back-to-Back	100mm	Plastic	90	90
Double	Off-Set	100mm	Plastic	120	120
Double	Back-to-Back	100mm	Plastic	30	30



Actual installation of a Quelfire Putty Pad
Installed Flush with the Front Face of the Plastic Socket Box

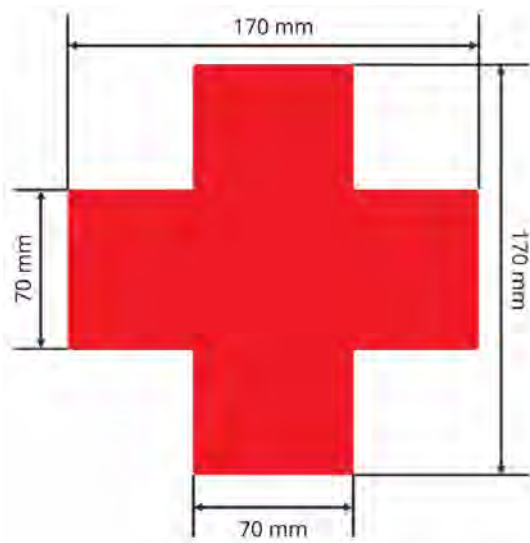


Actual installation of a Quelfire Putty Pad
Installed Flush with the Front Face of the Metal Socket Box

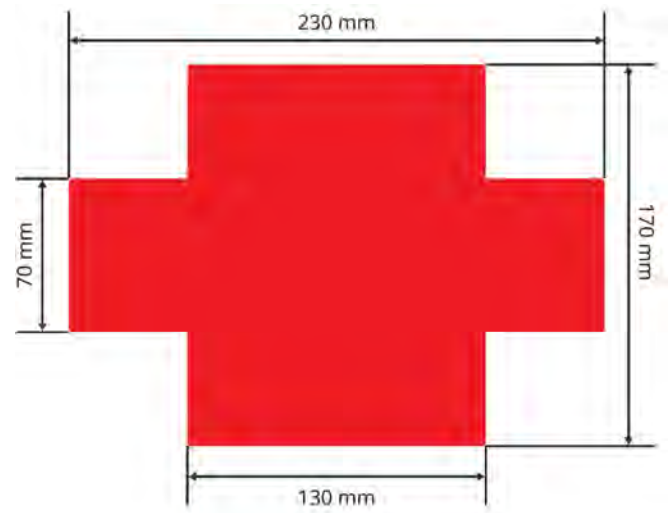
TABLE OF RESULTS IN METAL BOXES

Socket size	Back-to-Back or Off-Set	Wall thickness	Socket box	Integrity (minutes)	Insulation (minutes)
Single	Off-Set	120mm	Metal	90	90
Single	Back-to-Back	120mm	Metal	90	90
Double	Off-Set	120mm	Metal	90	90
Double	Back-to-Back	120mm	Metal	90	90
Media Plate*	Off-Set	120mm	Metal	120	60

*Quelfire Intumescent Putty Pads have been tested with a Deta S1988 Multimedia switched socket with 4 x 13A + TV + Phone Socket with dimensions 252mm high x 192mm wide x 40mm deep. There are other media plates on the market and Quelfire are unable to comment on the performance on anything other than what is tested, where deviations from tested solutions are intended we recommend a qualified fire engineer is consulted before the work commences.



Single Socket Quelfire Intumescent & Acoustic Putty Pad - dimensions



Double Socket Quelfire Intumescent & Acoustic Putty Pad - dimensions

Technical Support & Guidance:

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MATERIAL SAFETY DATA SHEET

Product name	Quelfire Intumescent Putty Pads
Product Code(s)	PUTPAD-S, PUTPAD-D
Revision Date	01/01/2021
Revision number	02

Section 1: Identification of the substance/mixture and of the company / undertaking

1.1. Product identifier

Product name	Quelfire Intumescent Putty Pads
Product Code	PUTPAD-S, PUTPAD-D

1.2. Relevant identified uses of the substance or mixture and uses advised against

PC1: Adhesives, sealants. PC9b fillers, putties, plaster, modelling clay.

1.3. Details of the supplier of the safety data sheet

Company Name	Quelfire Limited Springvale Industrial Estate Millbuck Way Sandbach CW11 3HT
Tel	0161 928 7308
Fax	0161 924 1340
Email	technical@quelfire.co.uk

1.4. Emergency telephone number

Emergency telephone number 0161 928 7308 (Office hours only)

Section 2: Hazards Identification

2.1. Classification of the substance or mixture

Classification under CLP Not Classified

2.2. Label elements

This product has no label elements

2.3. Other hazards

This product is not identified as a PBT/ vPvB substance

Section 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

No data available

Section 4: First aid measures

MATERIAL SAFETY DATA SHEET

4.1. Description of first aid measures

Skin contact	If irritation occurs, do not rub or scratch. Rinse under running water prior to washing with soap and water. If irritation persists, consult a physician
Eye contact	Bathe the eye with running water for 15 minutes
Ingestion	Wash out mouth with water
Inhalation	Move to fresh air in case of accidental inhalation of vapours.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact	There may be mild irritation at the site of contact
Eye contact	There may be irritation and redness
Ingestion	There may be irritation of the throat
Inhalation	There may be irritation of the throat with a feeling of tightness in the chest.
Delayed/ immediate effects	No data available

4.3. Indication of any immediate medical attention and special treatment needed

Immediate/special treatment	Not applicable
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Section 5: Fire-Fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Suitable extinguishing media for the surrounding fire should be used.
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5.2. Special hazards arising from the substance or mixture

Exposure hazards	In combustion emits toxic fumes
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5.3. Advice for fire-fighters

Advice for fire-fighters	Wear self-contained breathing apparatus. Wear proactive clothing to prevent contact with skin and eyes
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Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Refer to section 8 'Exposure controls/ personal protection'. Mark out the contaminated area with signs and prevent access to unauthorised personnel.
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6.2. Environmental precautions

Environmental	Do not discharge into drains or rivers.
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6.3. Methods and materials for containment and cleaning up

Clean-up procedures	Transfer to a closable, labelled salvage container for disposal by an appropriate method.
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6.4. Reference to other sections

Refer to section 8 'Exposure controls/ personal protection'

Section 7: Handling and storage

7.1. Precautions for safe handling

MATERIAL SAFETY DATA SHEET

Handling requirements	Not applicable
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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Store in cool, well ventilated area.
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7.3. Specific end use(s)

Specific end use(s)	PC1: Adhesives, sealants. PC9b fillers, putties, plaster, modelling clay.
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Section 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

Respiratory protection	Respiratory protective not required
Hand protection	Wear suitable gloves for the installation. EN374
Eye protection	Safety glasses.
Skin protection	Protective clothing

Personal protective equipment symbol(s):



Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Solid
Colour	Red
Odour	Odourless
Evaporation rate	Not applicable
Oxidising	Non-oxidising (by EC criteria)
Solubility in water	Insoluble
Viscosity	Highly viscous
Boiling point/ range	No data available
Flammability limits	Not applicable
Part.coeff. n-octanol/ water	No data available
Vapour pressure	Not applicable
pH	Not applicable
Melting point/ range	Not applicable
Flash point	Not applicable
Auto flammability	No data available
Relative density	1.55
VOC g/l	0
State	Solid
Colour	Red
Odour	Odourless

MATERIAL SAFETY DATA SHEET

9.2. Other information

No data available

Section 10: Stability and reactivity

10.1. Reactivity

Stable under recommended transport or storage conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

In combustion emits toxic fumes

Section 11: Toxicological information

11.1. Information on toxicological effects

No data available

Skin contact	There may be mild irritation at the site of contact
Eye contact	There may be irritation and redness
Ingestion	There may be irritation of the throat
Inhalation	There may be irritation of the throat with a feeling of tightness in the chest.
Delayed/ immediate effects	No data available

Section 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

Not Biodegradable

12.3. Bioaccumulative potential

Potentially Bioaccumulative

12.4. Mobility in soil

Insoluble in water

12.5 Results of PBT and vPvB assessment

This product is not identified as a PBT/ vPvB substance

12.6. Other adverse effects

MATERIAL SAFETY DATA SHEET

No data available

Section 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	Disposal must be done according to official regulations.
Waste treatment methods	Dispose of contents/ container in accordance with licensed collector's sorting instructions

Section 14: Transport information

This product does not require a classification for transport

14.6. Special Precautions for user

Overland Transport	Not Applicable
Transport by sea	Not Applicable
Air transport	Not Applicable
Inland waterway transport	Not Applicable
Rail transport	Not Applicable

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific Regulations	Reg (EC) n. 1272/2008 – CLP Reg (EC) n. 1907/2008 – REACH Reg (EC) n. 2015/830 annex II of REACH
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15.2. Chemical Safety Assessment

Chemical Safety Assessment	No chemical safety assessment has been carried out
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Section 16: Other information

Abbreviations and acronyms	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of dangerous goods by Road
ATE	Acute Toxicity Estimate
BLV	Biological Limit Value
CAS-No.	Chemical Abstract Service Number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 272/2008
EC-No.	European Community Number
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
NOEC	No-Observed Effect Concentration
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
vPvB	Very Persistent and Very Bioaccumulative

Other information	This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830
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MATERIAL SAFETY DATA SHEET

	This safety data sheet is prepared in accordance with Commission Regulation (EU) No 1272/2008
Legal disclaimer	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.