

Product Data Sheet

Blazetrapp[®] Rapid Outlet Box System (ROBS)

Revision 6 - 18th May 2026



WINNER OF THE 2024
 **Constructing
Excellence
Awards 2024**



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Blazetrap® Rapid Outlet Box System (ROBS)

Fire Resistant Electrical Back Box ROBS Intumescent System

- **Brand New** CE Marked fire resistant electrical back boxes.
- UL-EU Accreditation.
- Unique injection moulded intumescent box insert (ROBS Intumescent System) is the first in the UK and Europe.
- Noncorrosive stainless steel back box outer.
- Manufactured in the Great Britain.
- Free of organic solvents and releases no Volatile organic compounds (VOC)'s which have been known to have adverse health effects in fires.
- Halogen free.
- No galvanized or painted coatings, preventing zinc and harmful fume inhalation during fires.
- Tested in accordance with BS EN 1366-3: 2021.
- Tested for Insulated and Non Insulated walls.
- Tested for back to back installation.
- Tested for Timber or metal stud walls construction.
- Fire rating 30, 60, 90, 120 minutes.
- Acoustic Tested BS EN ISO 10140 – 2: 2010 to 67dB.
- Quick and simple to install.
- Integrated pushout box fixings suitable for plasterboards 12.5 – 30mm thicknesses.
- Rear, Top and Bottom cable entry. Expects 20-25mm fire protection glands.
- Completed fire stop system.
- Full product traceability.
- Patented technology and Trade Marked.
- National Winner of the Constructing Excellence Awards 2024.



Product Description

Blazetrap® Rapid Outlet Box System (ROBS) is a groundbreaking Passive Fire Protection product, recently winning the UK Construction Excellence National Award for Innovation.

Advanced Fire Protection: Many current electrical back boxes are designed only for electrical connections with little fire protection. Blazetrap® ROBS addresses this with a Stainless Steel Electrical Back Box featuring a unique injection-moulded Intumescent insert (ROBS Intumescent System) made from high-quality exfoliated graphite.

Innovative Technology: The ROBS Intumescent System reacts when exposed to fire, forming a solid char around cables, thus insulating the substrate, thereby starving the fire of essential elements for combustion and preventing the passage of fire from one compartment to another. This technology is patented and trademarked.

Product Description

Complete System: No separate box outers needed, eliminating the risk of incorrect sizes, depths, and materials.

Ease of Installation: Integrated pushout fixing tabs, quick installation of the ROBS intumescent System, no sealants or supporting brackets needed, one size, Blazetrap® ROBS fits all cavity wall depths.

Cost Efficiency: Reduces installation costs, requires zero maintenance, and offers a longer product lifespan.

Traceability: Full product traceability from manufacture to end user and back again.

Product Specifications:

Single Gang

Blazetrap® ROBS 1 - 12.5/25mm Single Gang Fire Rated Back Box

Blazetrap® ROBS 1 - 15/30mm Single Gang Fire Rated Back Box

Blazetrap® ROBS 1 - 12.5/25mm. 74 x 74 x 50mm stainless steel back box designed for 30/60 minute fire rated partition walls. Suitable for installations using 1 x 12.5mm or 2 x 12.5mm Fireline plasterboard. Includes push out fixing positions specifically configured for 12.5mm board thickness configurations ensuring secure installation and performance.

Blazetrap® ROBS 1 – 15/30mm. 74 x 74 x 50mm stainless steel back box designed for 90/120 minute fire rated partition walls. Suitable for installations using 1 x 15mm or 2 x 15mm Fireline plasterboard. Includes push out fixing positions specifically configured for 15mm board thickness ensuring correct fixing engagement and compliance.

Double Gang

Blazetrap® ROBS 2 - 12.5/25mm Double Gang Fire Rated Back Box

Blazetrap® ROBS 2 - 15/30mm Double Gang Fire Rated Back Box

Blazetrap® ROBS 2 - 12.5/25mm. 134 x 74 x 50mm stainless steel back box designed for 30/60 minute fire rated partition walls. Suitable for installations using 1 x 12.5mm or 2 x 12.5mm Fireline plasterboard. Includes push out fixing positions specifically configured for 12.5mm board thickness ensuring secure installation and performance.

Blazetrap® ROBS 2 - 15/30mm. 134 x 74 x 50mm stainless steel back box designed for 90/120 minute fire rated partition walls. Suitable for installations using 1 x 15mm or 2 x 15mm Fireline plasterboard. Includes push out fixing positions specifically configured for 15mm board thickness ensuring correct fixing engagement and compliance.

Liability Reduction: The Blazetrap® Rapid Outlet Box System (ROBS) significantly reduces liability risks associated with electrical installations as well as different trade use installations. Unlike alternative products on the market, such as Putty pads, which require separate purchases from different suppliers and may not be fire-rated or tested together, Blazetrap® offers a complete, tested system. This comprehensive solution ensures enhanced fire protection and compliance with safety standards, providing peace of mind for specifiers, design engineers, architects, installation contractors, main contractors, development owners, and residents. The liability is effectively omitted, eliminating risks associated with incomplete or untested systems.

Experience the future of Passive Fire Protection with Blazetrap® ROBS. Ensure safety and compliance with this cutting-edge solution.

Technical Data

ROBS Outer	430 Stainless Steel
Heat Resistance	815c in continuous service
Corrosion	Resistance to acid/moisture
ROBS Intumescent System Insert	Halogen-free based on expandable graphite
Material Structure	Injection Molded
Liner Thickness	0.5-2mm
Start of Reaction	From ca. 175°C
Expansion Ratio	Ca. 16 times
Expansion Pressure	Ca. 0.45
(N/mm²) Colour	Anthracite grey
Fire Tested	Fire Tested: BS EN 1366-3: 2021 Fire tested for insulated & non insulated walls BS1366-3: 2021
Acoustic Tested	BS EN ISO 10140-2:2010
Product Sizes	Blazetrap® ROBS 1 Single Gang Electrical Back Box: 74x74x50mm, 12.5/25mm. Blazetrap® ROBS 1 Single Gang Electrical Back Box: 74x74x50mm, 15/30mm. Blazetrap® ROBS 2 Double Gang Electrical Back Box: 134x74x50mm, 12.5/25mm. Blazetrap® ROBS 2 Double Gang Electrical Back Box: 134x74x50mm, 15/30mm.
Electrical Fittings	Allows for 20mm and 25mm fire shield gland fittings Rear, Top and Bottom cable entry Integrated box fixings suitable for plasterboards 12.5 – 30mm thicknesses

Technical Data

 2821	
Blaze Trap Ltd Unit 29 Penraevons Light Industrial Estate, Jackson Road, Leeds, West Yorkshire, LS7 2AP	
CE 2821-CPR-0354	
BS EN 1366-3: 2021	
Blazetrap® Rapid Outlet Box System (ROBS 1 & 2) For fire compartmentation and / or fire protection or performance	
Essential Characteristics	Performance/Harmonized Technical Specification
Reaction to Fire	Class E according to EN13051-1
Resistance to Fire	Resistance to fire performance & field of application in accordance with EN13501-2 See ETA 25/0262 clause - Annex A
Dangerous Substances	See ETA 25/0262 Clause 1
Service & Durability	Type: X Intended for use in conditions exposed to weathering in accordance with EOTA technical documents TR024
Acoustic	BS EN ISO 10140 – 2: 2010
Other	Not applicable/No performance determined

Product Availability

ROBS 1 Single Gang Box: 74x74x50mm and ROBS 2 Double Gang Box: 134x74x50mm

Product Code	Product Description	Sizes	Fixing Tab Sizes
AFROBS1	Blazetrap® ROBS 1 - 12.5/25mm Single Gang Fire Rated Back Box	74x74x50mm	12.5 - 15mm fixing tabs
AFROBS2	Blazetrap® ROBS 2 - 12.5/25mm Double Gang Fire Rated Back Box	134x74x50mm	12.5 - 15mm fixing tabs
AFROBS1X	Blazetrap® ROBS 1 - 15/30mm Single Gang Fire Rated Back Box	74x74x50mm	15 - 30mm fixing tabs
AFROBS2X	Blazetrap® ROBS 2 - 15/30mm Double Gang Fire Rated Back Box	134x74x50mm	15 - 30mm fixing tabs

To Order & Specify

Please contact us and quote the following information - Quantity / Product Code / Product Description / Size / Fixing Tab Sizes

Typical example:- 10no / AFROBS2 / Blazetrap® ROBS 2 - 12.5/25mm **Double** Gang Fire Rated Back Box / 134x74x50mm / 12.5 - 15mm fixing tabs

>> Tel: [01329 844 500](tel:01329844500) or >> Email: sales@astroflame.com

Installation

We have technical representatives who provide assistance in the selection and specification of the products on this site and should be consulted for exact installation and product suitability. Ensure an early engagement with ourselves, designers, main contractor and specialist installers before any installation. Other trades and/or manufacturers may need to be consulted. For in-depth information, specification and technical advice please call our Head Office on tel [01329 844 500](tel:01329 844 500) or email sales@astroflame.com

Maintenance

All interested parties, designer, specifier, main contractor and specialist installers should provide access to allow the fire stopping seals to be regularly inspected and maintained, as well as records kept of such maintenance at minimum periods of 12 months, as required by the Regulatory Reform Order, and repaired if necessary. Reference should be made to ASFP TGD 17 – Code of Practice for the Installation and Inspection of Fire Stopping.

Competency

It is vital that those entrusted to design or install a fire stopping product have the necessary levels of competence to undertake the task professionally and thoroughly. The level of competency required will be commensurate with the expected complexity of the building. All designers must eliminate, reduce or control foreseeable risks that may arise during installation, construction or maintenance when preparing or modifying designs. Clients should ensure that the principal designer and principal contractor carry out their duties under CDM regulations. The ASFP foundation course in passive fire protection provides essential knowledge as part of demonstrating competency and understanding in this key fire protection specialism.

Additional Notes

Please refer to the ETA/UL-EU sheet for fields of application for this product. For further information on installation requirements please refer to the socket box manufacturer data and wall specification to ensure the compatibility of this product, if in doubt please contact the technical team with services and wall specification on:

T: [01329 844 500](tel:01329 844 500) or E: sales@astroflame.com

Health and Safety

Please see (SDS) Safety Data sheet - This can be requested from our sales team T: [01329 844 500](tel:01329 844 500) or E: sales@astroflame.com

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The above information to the best of our knowledge is true and accurate and based upon current test data and is supplied for your guidance only. Customers should satisfy themselves to the suitability of the product based on the products limitation of applications and that the product is fit for purpose for their intended use and no guarantee is given or implied since the conditions of actual use are beyond our control. ASTROFLAME (FIRE SEALS) LTD, disclaim any liability for loss, damage or other expense arising from the use of information, data or products mentioned or referred to and reserve the right to change any details or specifications without notice. If you are in any doubt as to the suitability of this product for your intended application please contact our technical team on 01329 844500 or email sales@astroflame.com and we will contact you.