



Golden Thread

Titon FireSafe[®] Range

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1. Introduction

This document is a breakdown of the materials, sizes and applications used in Titon's A1 rated fire safety air brick systems. For detailed product information, please refer to the specification information at www.titon.co.uk/firesafe.



2. Product Specification

2.1 - Product variants / sizes

Products	Face size (mm)	Depth options
Single air brick	204x60	100/400
Single air brick & half	330x60	100/400/500
Double air brick	204x128	100/400/500
100mm Circular Terminal	Ø100mm	630mm
Accessories		
Bend	45° - 204x60	
Bend	45° - 330x60	
Transition	330x60 to 220x90	
Transition	204x128 to 220x90	
Sleeve	204x60x200	
Sleeve	220x90x400	

2.2 - Product description

The original Titon FireSafe® Air Brick range is a high-flow terminal designed for powered ventilation systems. It provides low resistance to airflow while maintaining high resistance to fire, in accordance with Approved Document B (Fire Safety), Volume 1: Dwellings (2019 edition, incorporating the 2020 and 2022 amendments) and the Building Safety Act (2022).

The units are constructed from A1-rated sheet steel and finished with a polyester powder coating classified A2-s1, d0.

The Titon FireSafe® Single Air Brick is designed for installation within external wall constructions during the build stage. The range includes short and long versions and can be easily connected to 204x60 mm and 220x90 mm rectangular ducting.

2.3 - Typical applications

Residential applications, including high-rise apartments, apartments, homes, care homes, student accommodation and social housing.



3. Warranty

Titon does not supply a warranty, as responsibility for installation and subsequent maintenance lies outside our control. Guidance on appropriate installation procedures, material selection, and maintenance is provided within this document.

4. Materials

Manufacturer data sheets are available on request; however, as paint materials are sourced from multiple suppliers, requests must be made at the time of ordering.

Material 1 mm Galvanised Steel (Titon FireSafe® Air Bricks)

- Steel Electrolytically Zinc Coated (BS EN 10152 DC01 ZE25/25)
- European Classification A1 without testing.
- Non-combustible (no contribution to fire).
- Paint: Powder Coated (A2-s1, d0 classification to EN 13501-1)
- Airflow: Performance tested to BS EN13141-2:2010

Material 0.6 – 1.0mm mm Galvanised Steel (Titon 100mm Push Through Pull Kit)

- Steel Electrolytically Zinc Coated (BS EN 10152 DC01 ZE25/25)
- European Classification A1 without testing.
- Non-combustible (no contribution to fire).
- Paint: Powder Coated (A2-s1, d0 classification to EN 13501-1)
- Airflow: Performance tested to BS EN13141-2:2010

Corrosion

All Titon FireSafe® Air Bricks are designed to be corrosion-resistant. The entire range has been salt spray tested in accordance with BS EN ISO 9227, a recognised standard for assessing resistance to corrosion. This testing evaluates performance under controlled conditions, including exposure duration, intensity, and key environmental factors.

Powder Coating:

- All powder coating are European Classification A2-s1, d0
- A2 = Combustibility - limited combustibility.
- s1 = Smoke emission - little or no smoke.
- d0 = Release of flaming droplets or particles - none.
- See sample certificates on page XXX



5. Maintenance

Wipe with a damp cloth and remove any blockages on a regular basis.

6. Statement of Origin

The Titon FireSafe® product range is of United Kingdom origin and is manufactured by Titon Hardware Ltd at its production facility located in Haverhill, Suffolk, Great Britain. Manufacture is undertaken in a controlled environment in accordance with established quality management procedures, ensuring consistency, traceability, and compliance with applicable standards and specifications.

7. European Fire Classification

7.1 – Reaction to European Fire Classification EN 13501-1

Part B has removed references to the old BS 476 “national classes” for reaction to fire and roof performance. From March 2025, only BS EN 13501-series European fire classification is used for materials and elements within the guidance.

This affects all products (cladding, wall linings, etc.) that are used in fire-safety critical parts of buildings (external wall materials, linings, fire doors where relevant). There is a transitional period for product evidence to move fully to BS EN.

Table 1 – Classification EN 13501-1

Definition	Grade	Smoke Propagation	Flaming Droplets
Non-Combustible Materials	A1	-	
	A2	s1	d0
		and all variations	
Combustible materials: Very limited contribution to fire	B	s1	d0
		and all variations	
Combustible materials: Limited contribution to fire	C	s1	d0
		and all variations	
Combustible materials: Medium contribution to fire	D	s1	d0
		and all variations	
Combustible materials: High contribution to fire	E	s1	d0
		and all variations	
Combustible materials: Easily flammable	F		

Metal Air Bricks/Round Terminals are classed as A1-s1-d0

Material: Sheet Steel – A1

Paint - Powder coating – A2-s1-d0

Therefore - ‘Non-combustible materials’

8. Approved Document Part B

Within Part B, Regulation 7 Part 2, it states:

Materials which become part of an external wall, or specified attachment, of a relevant building are of European Classification A2-s1, d0 or A1, classified in accordance with BS EN 13501-1:2019

This means Air Bricks/Round Terminals fitted into a building that is higher than 11 metres are part of this classification.

Table 1 shows the classification of combustibility (A-E) smoke (S1) and flaming droplets (d0) within EN 13501-1.

- These classification start with grade E highly combustible Smoke propagation of S1 and flaming droplets of d0 Class A2 S1 d0 is the best level outside of Class A and is the best solution for Air Bricks/Round Terminals, as required in ADB

9. Building Safety Acts 2022

Part 4, section 104, defines 'higher risk buildings' in terms of their external walls and safety measures, and outlines the corresponding safety management obligations for such buildings as:

- A 'higher risk building' is defined as a building that:
 - 1 - Is at least 18 metres in height, or
 - 2 - Has at least 7 storeys, and
 - 3 - Contains residential accommodation, including certain care homes or hospitals.

These thresholds determine which buildings fall under the **Building Safety Regulator** and require actions such as a safety case, building safety manager, and mandatory information about the external walls.

Then the Regulatory Reform and Building Safety provisions mandate assessments of external walls, materials, and fire safety systems

10. Façade Fire Strategy Integration

This section looks at how the external façade system is coordinated with the building's overall fire protection strategy. The aim is how the external wall system prevents fire spread, especially between floors or compartments.

10.1.1. - Cavity Barriers

Cavity barriers are fire-resistant barriers placed inside concealed spaces, such as gaps behind cladding. Their purpose is to prevent hidden fire spread inside wall cavities and stop flames and hot gases travelling vertically or horizontally behind the façade.

10.1.2. - Fire Stopping

Fire stopping refers to sealing gaps where building elements meet or services pass through fire-rated walls or floors. Maintaining the fire resistance of compartments and preventing fire and smoke passing through joints or penetrations

10.1.3. - Façade systems

Façade Systems refers to the external wall construction of the building, including elements such as curtain wall systems, rain screen cladding, insulation, external panels, and the associated fixing systems.

The Titon FireSafe® Air Brick is classed as Non-Combustible Materials within Classification EN 13501-1 and therefore contributes to a the fire safety of a dwelling as described in Part B and the Building Safety Act. Corrosion resistant tested to BS EN ISO 9227:2012, rated to BS EN 1670-2007 to show for durability it has been designed to fit in all external wall types during construction which supports Façade Fire Strategy Integration

11. Fire Safety Limitations / Responsibility

Fire safety provisions described in this document are indicative and based on preliminary design assumptions. They are intended to support early-stage coordination only and do not constitute a full fire engineering assessment.

Building configuration, occupancy, materials, services integration, and regulatory requirements may affect the final fire strategy and associated safety measures. Accordingly, the final suitability, performance, and compliance of all fire safety provisions must be reviewed and confirmed by the Project Fire Engineer in accordance with the applicable codes, standards, and authority requirements. Any implementation should therefore be subject to detailed design verification and approval by the appointed Fire Engineering Consultant.

12. Ventilation Performance and Resistances

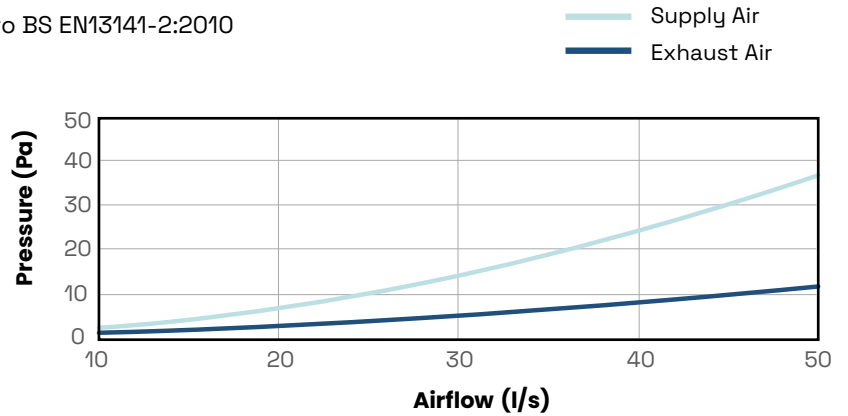
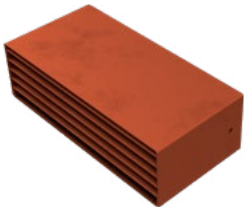
12.1 - Free Area (Passive Ventilation)

Products	Free area AAO
Single air brick	10,089 mm ²
Single air brick & half	16,060 mm ²
Double air brick	20,111 mm ²
100mm Circular Terminal	6,174 mm ²

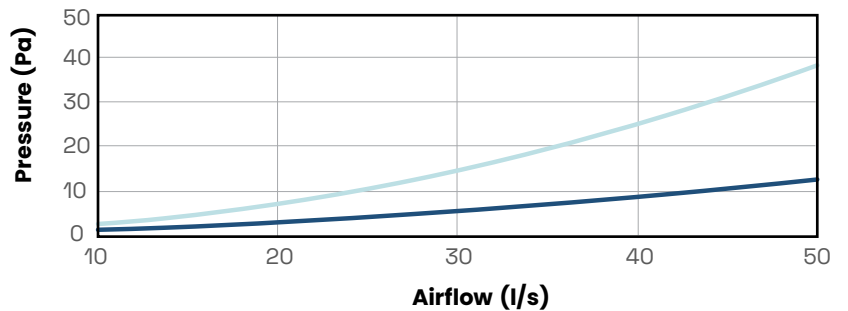
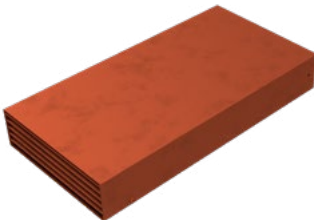
12.2 - High Flow Terminal Resistance

The Titon FireSafe® Range is performance tested to BS EN13141-2:2010

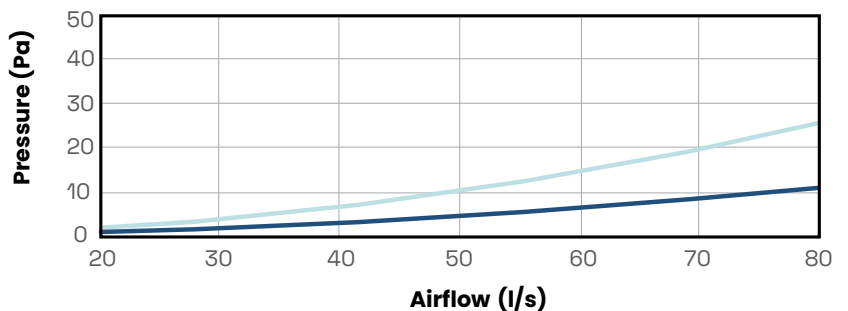
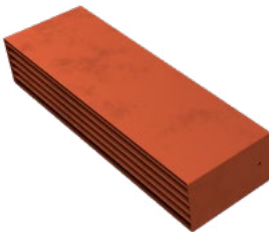
Titon FireSafe® Single Air Brick
204x60x100 (TA360 & TA361 bezelled)



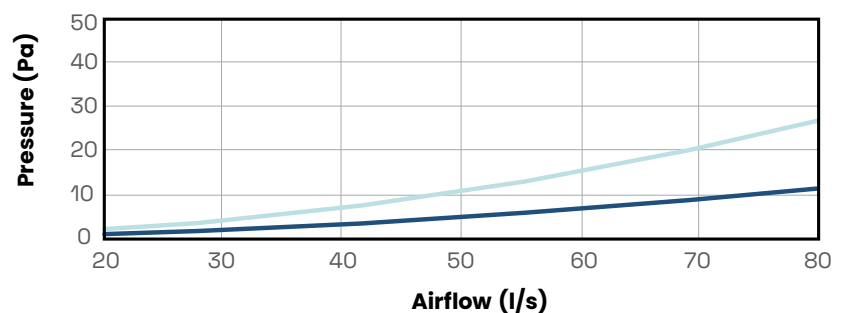
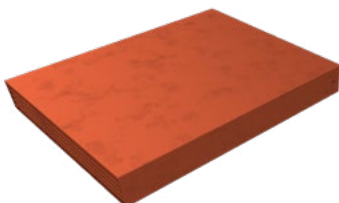
Titon FireSafe® Single Air Brick
204x60x400 (TA370 & TA371 bezelled)



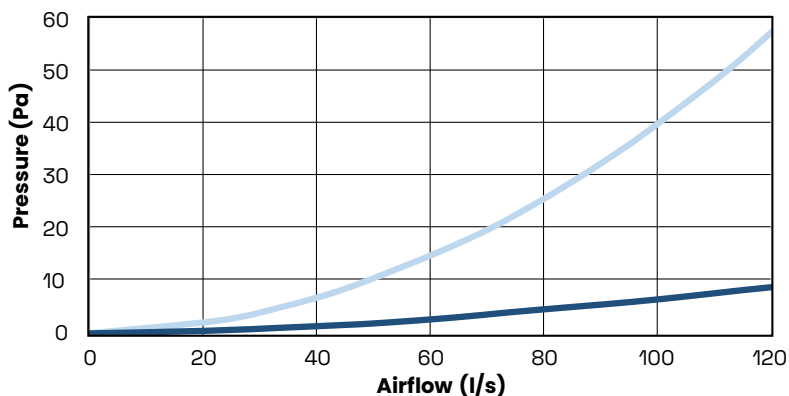
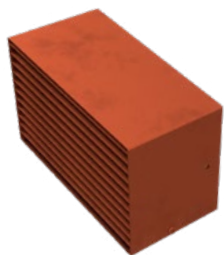
Titon FireSafe® Single Air Brick & Half
330x60x100 (TA380 & TA381 bezelled)



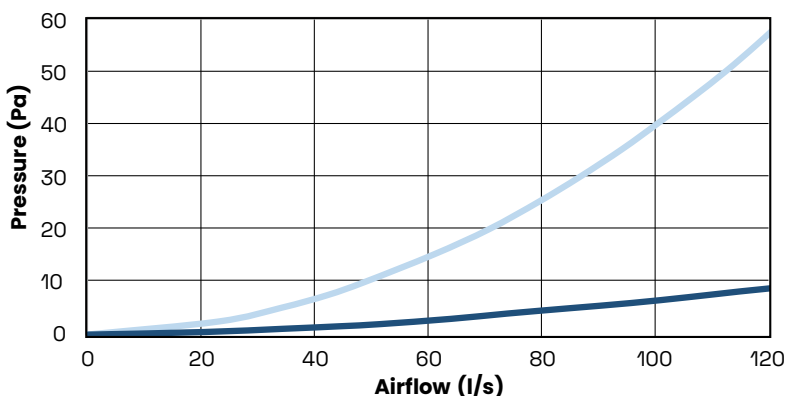
Titon FireSafe® Single air brick & half
330x60x400 (TA390 & TA391 bezelled)
330x60x500 (TA392 & TA393 bezelled)



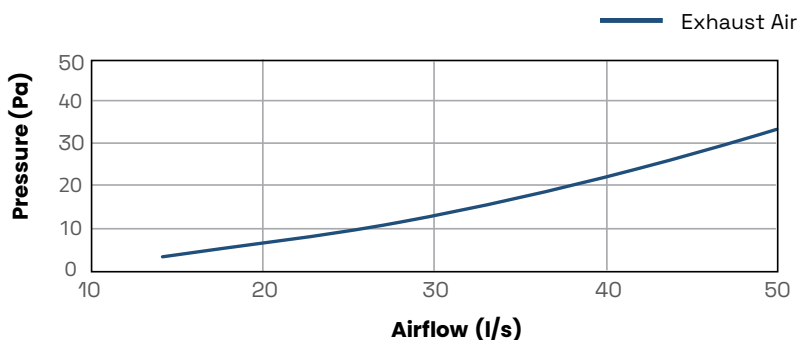
Titon FireSafe® Air Brick
204x128x100 (TA364 & TA365 bezelled)



Titon FireSafe® Air Brick
204x128x400 (TA372 & TA373 bezelled)
204x128x500 (TA374 & TA375 bezelled)



Titon FireSafe® 100mm Push Through Wall Kit
Ø100 and 630mm long (TA425)



13. Ventilation Design Guidance

13.1 – Relationship with Approved Document F

Approved Document F provides guidance to ensure buildings have adequate ventilation to maintain indoor air quality and control moisture. Ventilation components such as air bricks form part of the overall strategy by allowing controlled airflow through the building envelope and supporting natural or mechanical ventilation systems.

13.2 – Underfloor Ventilation Requirements

Underfloor ventilation is required for suspended timber floors to prevent moisture build-up and timber decay. Air bricks are typically installed in external walls to allow cross-ventilation of the sub-floor void, helping remove damp air and maintain dry conditions beneath the floor structure.

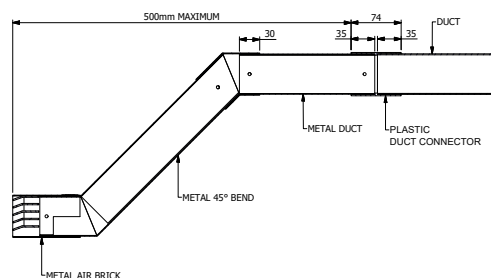
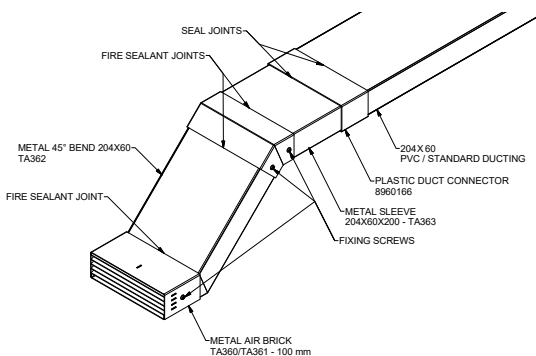
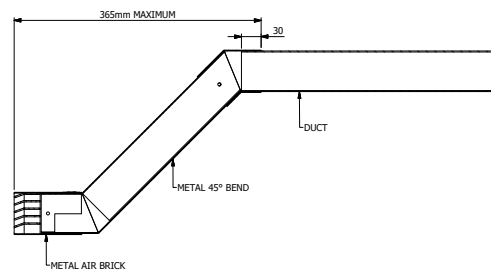
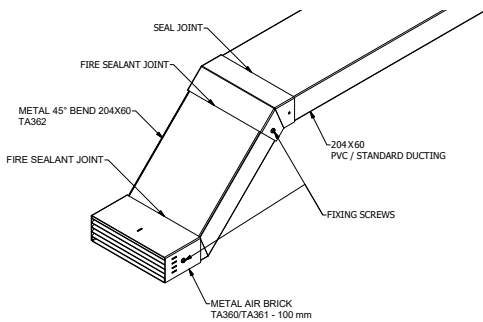
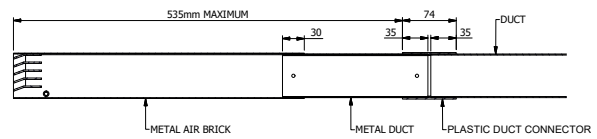
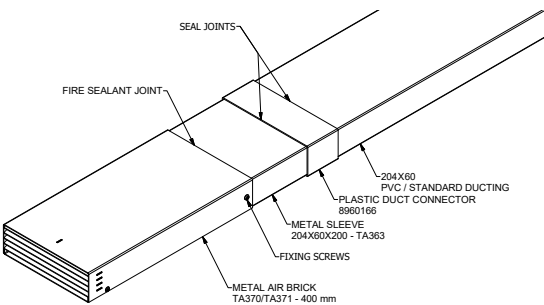
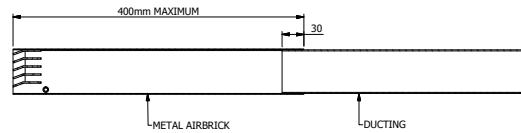
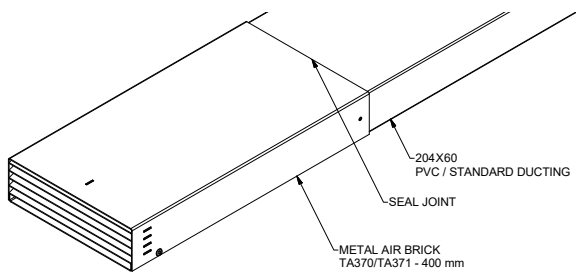
13.3 – Cavity Ventilation Requirements

Where ventilation passes through cavity walls, ducts or sleeves are used to maintain airflow and prevent moisture transfer between leaves. Cavity ventilation helps prevent condensation, protects insulation performance, and reduces the risk of damp within the wall structure.
www.titon.com

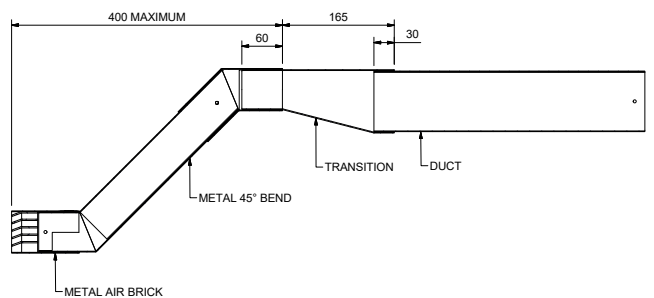
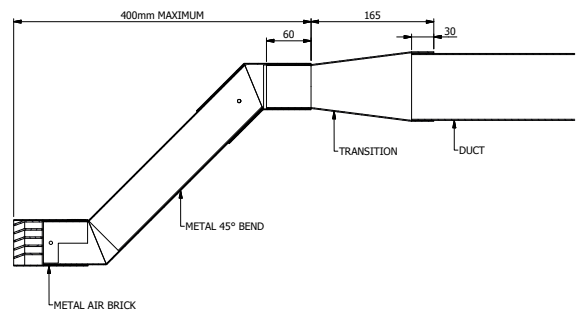
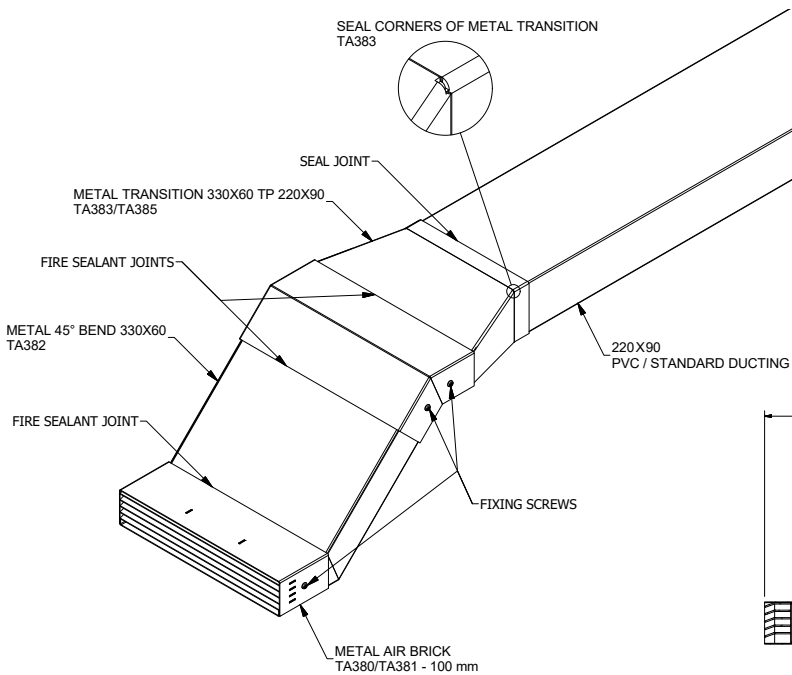
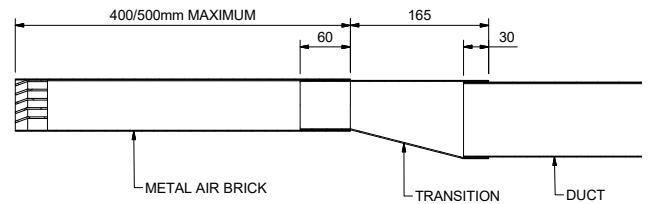
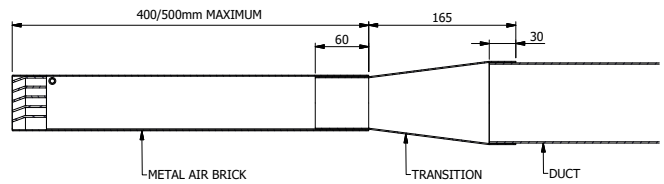
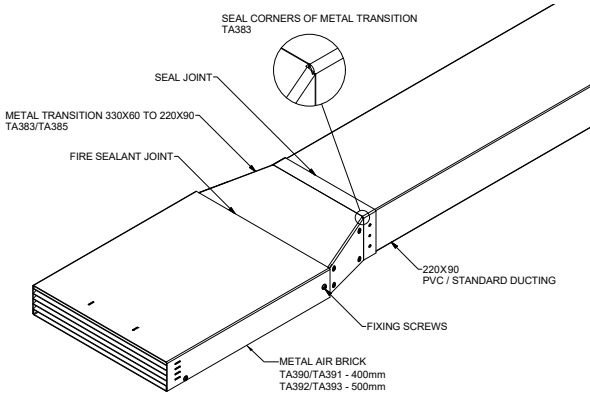
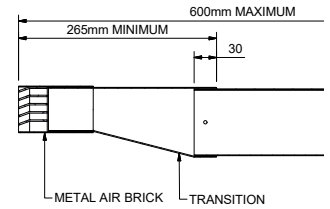
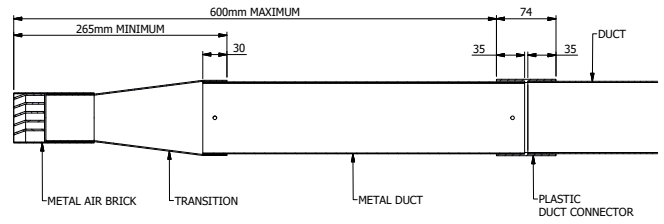
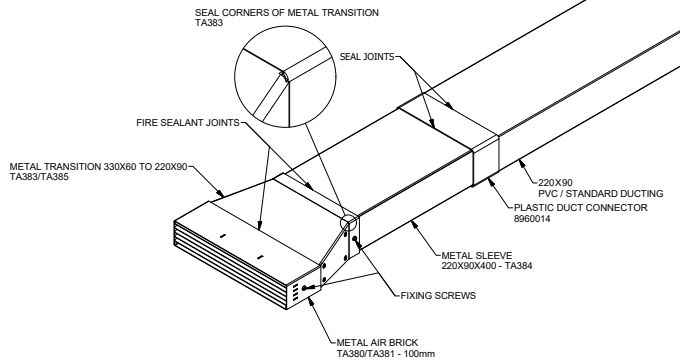
14. Installation Guide

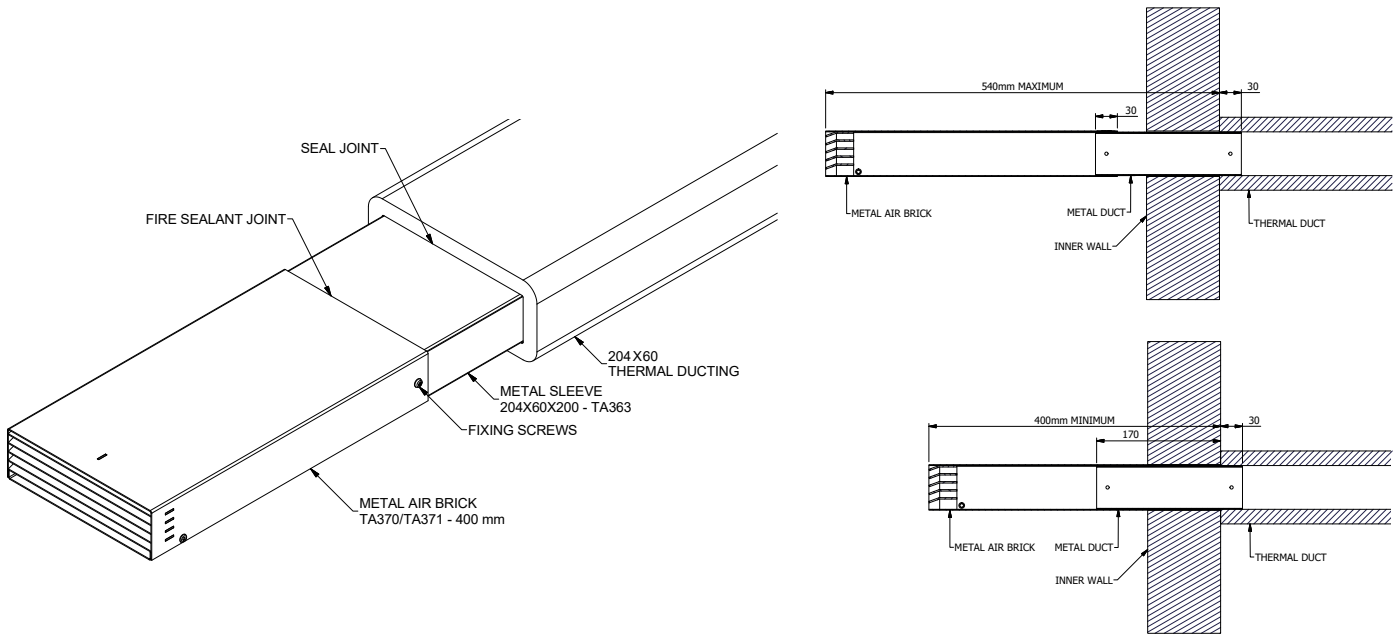
- Handle units with care ensuring no paint damage occurs on or around the grilles
- Install in accordance with the Residential Ventilation Association Good Practice Recommendations
- The ducting needs to be supported during install to ensure it slopes towards the outside
- Connection of the metal air bricks to the metal adaptors/sleeves should be made using self-tapping screws suitable for an Ø4.5mm hole
- When metal air bricks are used with metal sleeves they must be fixed to the required length before installing into the fabric of the building
- The metal air brick/sleeve must be fire sealed to the inner wall

204x60 Air Bricks to 204x60 Ducting

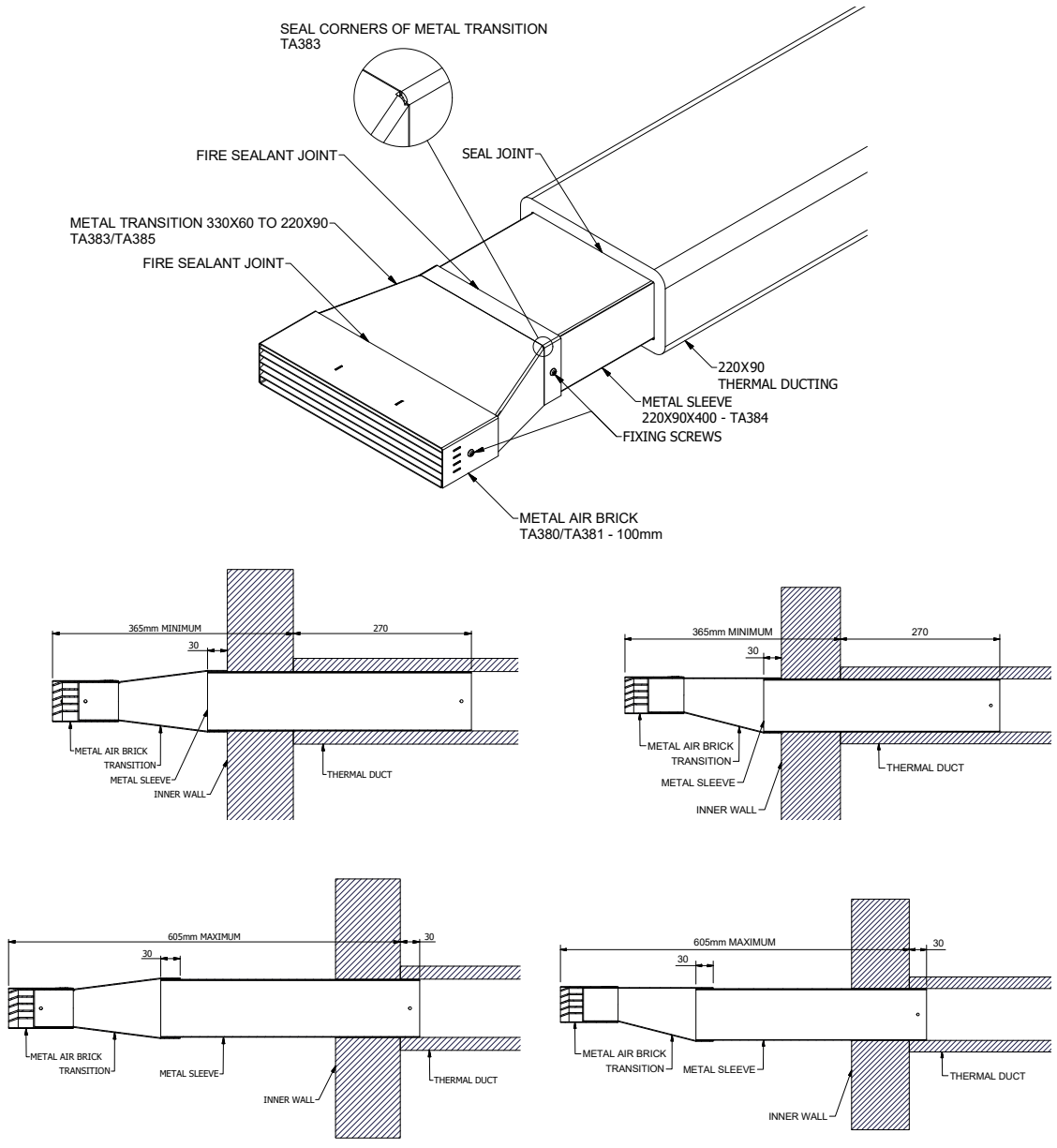


330x60 Air Bricks to 220x90 Ducting

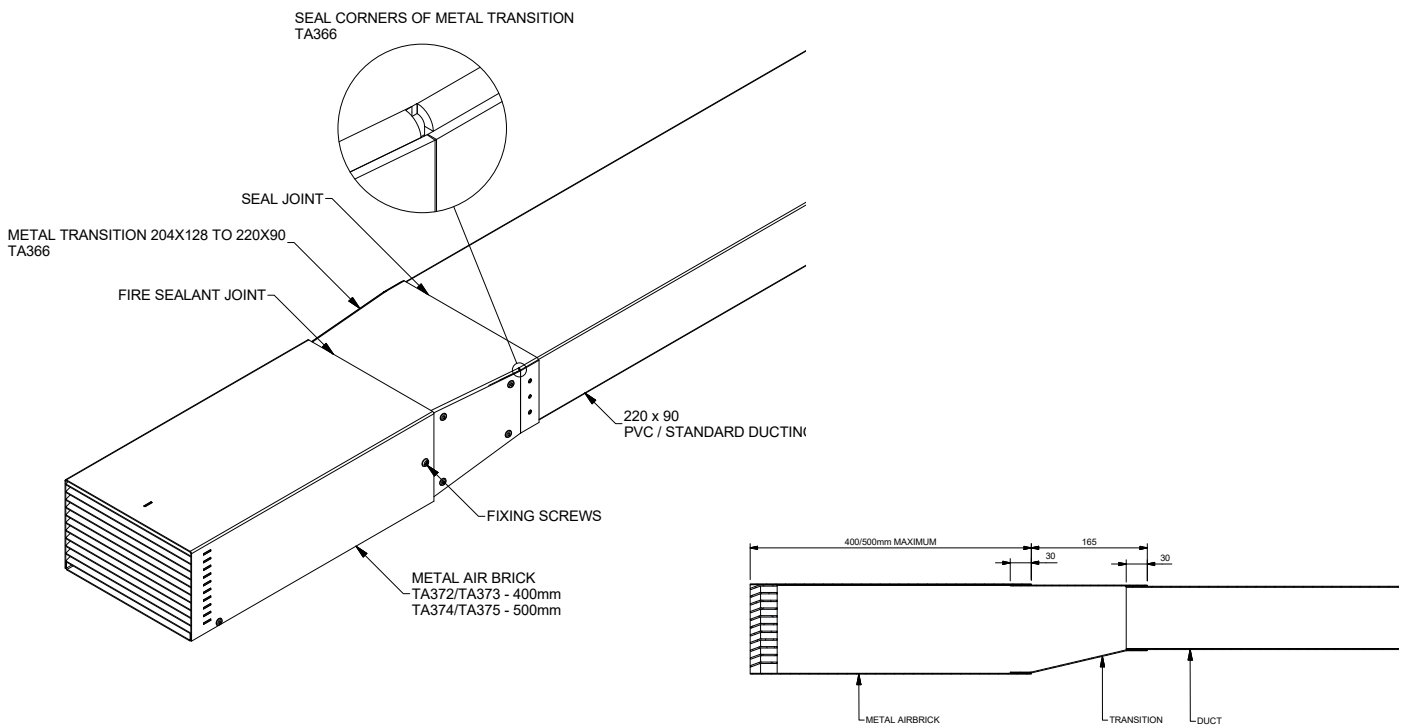
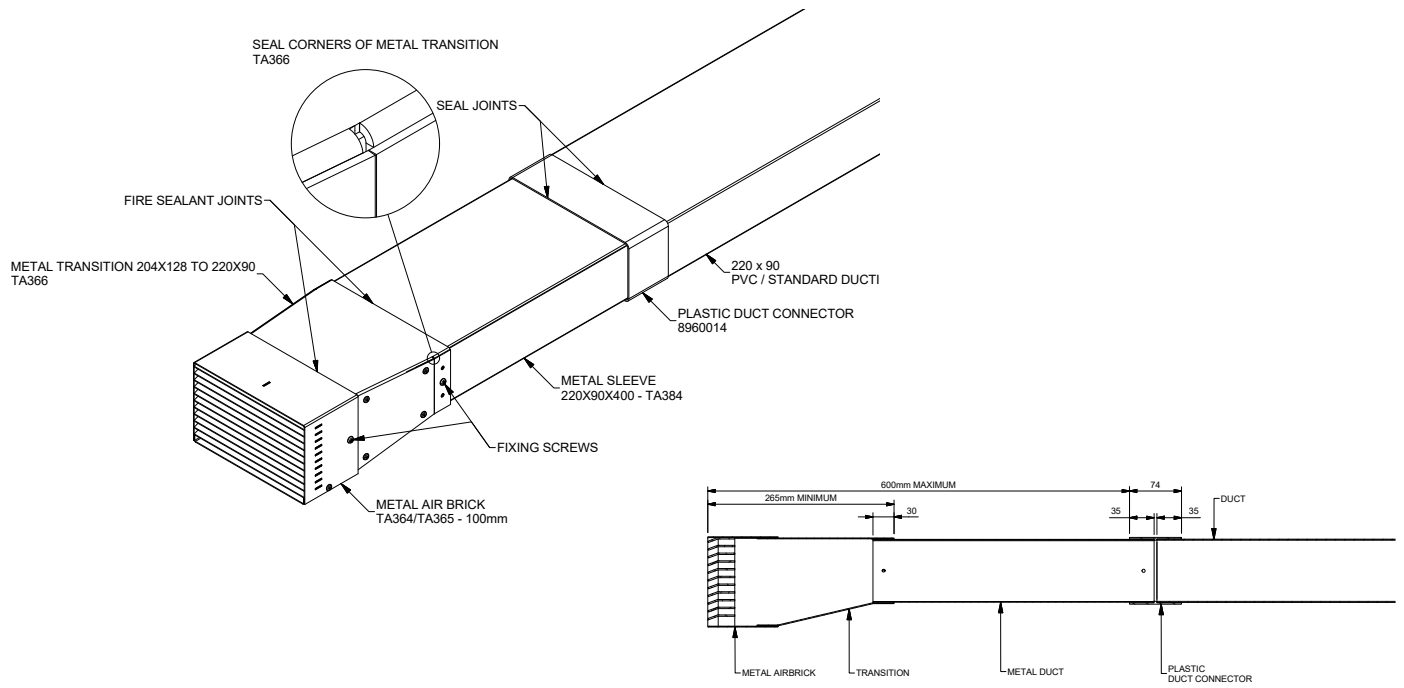




330x60 Air Bricks to 220x90 Thermal Ducting



204x128 Air Bricks to 220x90 Ducting



15. Health and Safety

Titon's Health and Safety Statement

Titon operates under a comprehensive Health & Safety policy and supports the use of appropriate personal protective equipment (PPE) whenever required. During installation of Titon's products, installers should follow the advice of their own Health & Safety personnel and ensure suitable PPE is worn.

The Titon FireSafe® Air Bricks are fire-rated and are manufactured to specific measurements and are not intended to be altered on site. Cutting the metal components is strongly discouraged, as this process may produce fumes that can affect the respiratory system and potentially lead to metal fume fever. Titon can confirm that products supplied are not considered harmful to health.

16. Digital Product Information

16.1 – BIM modelling

For more information on Titon's BIM files, please go to www.titon.com/BIM


16.2 – Digital product passport

For more information, please go to www.titon.com/firesafe

17. NBS Specification Guidance

17.1 – Specification NBS

For reference to NBS please use QR codes below or click on icon on product page:

 Add to spec

Titon FireSafe® Double Air Brick



Titon FireSafe® Single Air Brick



18. Terms and Conditions

For more information, please go to <https://www.titon.com/terms-conditions>

TITON HARDWARE LIMITED TERMS & CONDITIONS OF SALE

1. INTRODUCTION

- 1.1. These Terms and Conditions of Sale shall govern the sale of products by Titon Hardware Limited to its customers.
- 1.2. These Conditions do not affect any statutory rights a Customer may have as a consumer (such as rights under the Consumer Contracts Information, Cancellation and Additional Charges) Regulations 2013 or the Consumer Rights Act 2015).
- 1.3. In these Conditions the following expressions shall have the following meanings:
- "Titon"** means Titon Hardware Limited, a company registered in England with company number 1071731 whose registered office is at 894 The Crescent, Colchester Business Park, Colchester, CO4 9YQ, United Kingdom;
- "Conditions"** means these Terms and Conditions of Sale with Appendix One attached hereto as applicable;
- "Contract"** means a contract for the sale of Products subject to these Conditions;
- "Customer"** means a person, entity or business who purchases Products from Titon;
- "Product"** means a product offered for sale by Titon;
- "Product Description"** means information and technical details in respect of the individual Product which is provided in Titon's sales literature, catalogues or product guides.

2. DESCRIPTION OF PRODUCTS

- 2.1. Each Product purchased is sold subject to its Product Description.
- 2.2. Titon shall provide installation instructions and (where appropriate) maintenance instructions for each Product at the point of sale. It is the Customer's responsibility to ensure such instructions are read, understood and followed.
- 2.3. No Contract governed by these Conditions shall be a sale by sample unless Titon expressly agrees in writing.
- 2.4. Any systems design presented by Titon is provided as a gesture of goodwill for illustrative purposes only. It is the responsibility of the Customer to ascertain the suitability of such systems design for Customer's specific use and purposes.
- 2.5. Titon takes all reasonable care to ensure that Product Descriptions are correct. However, all such details, including (without limitation) specifications, illustrations, colours, drawings and diagrams in Titon's catalogues, trade literature and other publications are of a generally informative nature and are approximate only. Titon shall not be liable whatsoever for inaccuracies, changes or alterations in dimensions or measurements given, quoted or made by it, however if such discrepancy between the Product Description and the Products supplied causes the Products to not be a reasonably adequate fit with the Customer's requirements, then the Customer may cancel the affected order.
- 2.6. Titon reserves the right at any time to make any modification in design or specification of the Products without prior notice to the Customer.

3. PRICING

- 3.1. Prices quoted for the Products on a case-by-case basis are those effective at the date of quotation or acknowledgment of enquiry and may change from time to time. Any specific written quotation given by Titon in response to a direct request by the Customer shall remain valid for a period of 30 days from the date on which it is given. Prices are inclusive of all packaging, delivery and insurance costs unless otherwise stated.
- 3.2. Notwithstanding clause 3.1 above, in the event that a Contract has not materialised into delivery of the Products, and invoicing thereof, within 12 months after the date of entering into the Contract, Titon shall have the right to review and revise the prices originally quoted for the relevant Products.
- 3.3. Where special materials are required for the execution of Customer's order these will be ordered and purchased by Titon subject to the delivery periods quoted by the suppliers to Titon. In the case of special materials which cannot readily be absorbed into Titon's stock, these shall be paid for by the Customer at cost price if for any reason whatsoever the relevant order is not completed other than by Titon's default. The Customer shall accept delivery of such materials, unless Titon agrees in writing to retain them.
- 3.4. Prices are quoted exclusive of VAT and other applicable taxes, imposts and levies which are or may be levied from time to time by any governmental, statutory or local authority upon the sale of the Products and such additions (if any) shall be charged at the rate prevailing at the tax point date.

4. OUR CONTRACT

- 4.1. All quotations given, orders accepted and Products delivered by Titon are subject to these Conditions together with the Conditions of Quotation and Supply for Ventilation Systems products, where applicable. The Customer is deemed to have accepted these Conditions on placing an order for Products with Titon.
- 4.2. The Customer's order shall only be deemed to be accepted when Titon sends to the Customer either:
- 4.2.1. formal written acceptance; or
- 4.2.2. a despatch/collection note whichever occurs first, and at that point the Contract shall come into existence.
- 4.3. The Customer shall at all times ensure that the material terms of its orders and any applicable specification are complete and accurate and clearly communicated to Titon in writing.

5. CANCELLATION

- 5.1. Save where the Customer deals as a consumer, the Customer may not cancel a Contract without Titon's written agreement, which may be withheld at will. If such agreement is given, the Customer shall indemnify Titon against all losses (including loss of profit) suffered by Titon arising out of such cancellation.
- 5.2. If the Customer is dealing as a consumer, the Customer has the right to cancel this Contract as specified in this clause 5.2 without giving any reason and the following provisions will apply:
- 5.2.1. The cancellation period will expire 14 days after the day on which the Products come into the Customer's physical possession or the physical possession of a person identified by the Customer to take possession of them.
- 5.2.2. To exercise the right to cancel, the Customer must inform Titon of its decision to cancel this Contract by clear statement (e.g. via e-mail). Alternatively, the Customer may fill in and submit the cancellation form which can be accessed on Titon's website at www.titon.co.uk/cancellation prior to expiry of the 14 days' cancellation period.
- 5.2.3. If the Customer cancels this Contract, Titon will reimburse to the Customer all payments received from the Customer for the affected order, including the costs of delivery (except for the supplementary costs arising if the Customer chooses a type of delivery other than the least expensive type of standard delivery offered by Titon). Titon may make a reasonable deduction from the reimbursement for loss in value of any Products supplied, if the loss is the result of unnecessary handling by the Customer.
- 5.2.4. Titon will make the reimbursement without undue delay, and not later than 14 days after (i) the day Titon receives back from the Customer any Products supplied; or (ii) if earlier, 14 days after the day the Customer provides evidence that it has returned the Products; or (iii) if no Products were yet supplied, 14 days after the day on which Titon is informed about the Customer's decision to cancel this Contract; whichever occurs last.
- 5.2.5. Titon will make the reimbursement using the same means of payment as the Customer used for the initial transaction, unless the Customer has expressly agreed otherwise; in any event, the Customer will not incur any fees as a result of the reimbursement. As stipulated in clause 5.2.4 above, Titon may withhold reimbursement until it has received the Products back or the Customer has supplied evidence of having sent back the Products, whichever is the earliest.
- 5.2.6. The Customer shall send back the Products or hand them over to Titon without undue delay and in any event not later than 14 days from the day on which the Customer communicates its cancellation of this Contract to Titon.
- 5.2.7. The Customer shall bear the cost of returning the Products in a manner at least as secure and protective of the Products as when shipped to the Customer by Titon, unless otherwise agreed with Titon in writing.
- 5.2.8. The Customer is only liable for any diminished value of the Products resulting from handling which exceeds what is necessary to establish the nature, characteristics and functioning of the Products.

6. PAYMENT TERMS

- 6.1. Time of payment shall be of the essence of a Contract and unless otherwise expressly stated by Titon, payment shall be made by the Customer within 30 days from the date of invoice.
- 6.2. The Customer shall not be entitled to make any deduction from any payment due to Titon in respect of any set-off, counterclaim, discount, abatement or otherwise unless both the validity and the amount thereof have been expressly admitted in writing by Titon.
- 6.3. No payment shall be deemed to have been made by the Customer until Titon has received cleared funds.

also entitle Titon at Titon's sole discretion either to refuse to make delivery of any Products agreed to be supplied or to cancel any Contract either in whole or in part by notice in writing to the Customer and without incurring any liability to the Customer for any loss caused by such delay or cancellation.

6.5. If payment of the price for the Products or any part thereof or of any other sums payable by the Customer is not made on the due date, Titon, without prejudice to its other rights hereunder, shall be entitled to charge in addition to any monies due hereunder interest on the outstanding amount or any part thereof at the rate of up to 8% per annum above the base lending rate of the Bank of England from the due date until payment is made. The Company reserves its right under the Late Payment of Commercial Debts (Interest) Act 1998.

6.6. If Titon's estimate or quotation for Products specifies payment in a currency other than pounds sterling (GBP), the price payable by the Customer may be increased by Titon pro-rata to any change that may occur in the value of that currency in relation to GBP between the date of Titon's estimate or quotation and the due date for payment by the Customer for the Products.

7. LIMITATION OF LIABILITY FOR SALE OF PRODUCTS

- 7.1. Titon will not be liable, in contract, tort (including, without limitation, negligence), pre-contract or other representations (other than fraudulent or negligent misrepresentations) or otherwise out of or in connection with these Conditions, any Contract or the Products for:
- 7.1.1. any economic losses (including without limitation loss of revenues, profits, contracts, business or anticipated savings);
- 7.1.2. use or installation of any Products otherwise than for the purposes and within the technical parameters set out in the Product Description;
- 7.1.3. any loss of goodwill or reputation;
- 7.1.4. any special, consequential or indirect losses suffered or incurred by the Customer or any third party arising out of or in connection with these Conditions, the Contract or the Products;
- 7.1.5. shortages in quantity delivered unless the Customer notifies Titon of any such claim within 10 business days of receipt of the Products;
- 7.1.6. damage to or loss of the Products or any part thereof in transit (where the Products are carried by Titon's own transport or by a carrier on its behalf) unless the Customer notifies Titon of any such claim within 5 days of receipt;
- 7.1.7. defects in the Products caused by any act, omission, neglect or default by the Customer or of any third party; or
- 7.1.8. other defects in the Products unless notified to Titon within 30 days of receipt of the Products by the Customer or where the defect would not be apparent on reasonable inspection within 12 months of delivery.
- 7.2. In respect of shortcomings in the Products for which Titon is liable, Titon may at its option make good any shortage or non-delivery and/or as appropriate replace or repair any Products found to be damaged or defective. Damaged or defective Products shall be returned to Titon when it so requires, carriage paid by Titon.
- 7.3. Nothing in these Conditions shall exclude or limit Titon's or the Customer's liability for death or personal injury resulting from its negligence or that of its officers, agents or employees or any other liability that cannot be excluded or disclaimed by law.
- 7.4. Subject to clause 7.3, Titon's total liability in contract, tort (including negligence or breach of statutory duty), misrepresentation, restitution or otherwise, arising in connection with the performance or contemplated performance of a Contract shall be limited to the total invoice price of the Products that gave rise to the liability.
- 7.5. The Customer acknowledges and agrees that it is solely responsible for ensuring that the installation of the Products complies with all applicable fire safety regulations, standards, and approvals. Titon makes no representation or warranty regarding the fire rating or regulatory compliance of any specific installation of the Products. The Customer undertakes to obtain all necessary certifications, approvals, and inspections for installation of the Products, and Titon shall not be liable for any non-compliance, damages, or penalties arising from improper installation of the Products by or on behalf of the Customer or failure to meet regulatory requirements by the Customer.

8. WARRANTIES AND DISCLAIMERS

- 8.1. Titon warrants that the Products (i) correspond in all material aspects to the Product Description, and (ii) are free from defects in material and workmanship for a period of 12 months from the date of delivery, unless otherwise specified in the Product Description.
- 8.2. Notwithstanding the provision in clause 8.1(ii) above, in the event that the Product falls into any of the categories of Products identified in the Warranty Coverage section in Appendix One to these Conditions, the extended warranty term stipulated in Appendix One shall apply, subject to the terms and conditions stipulated therein.
- 8.3. Titon shall not be liable for a breach of the warranty in clause 8.1 unless the Customer gives written notice of the defect to Titon within 12 months from the date of delivery of the affected Products and Titon is given a reasonable opportunity (after receiving the Customer's notice and following authorised return of the Product to Titon) to complete its own examination. Titon may at its discretion request from the Customer the proof of purchase and a full description of the defect which the Customer must provide to Titon.
- 8.4. Titon shall not be liable for a breach of this warranty if the Product in question has been:
- 8.4.1. used by the Customer after the Customer has given notice to Titon of a defect;
- 8.4.2. tampered with in any way by the Customer or any third party;
- 8.4.3. stored in unsuitable conditions;
- 8.4.4. subject to misuse, incorrect installation, power surges, negligence or accident; or
- 8.4.5. maintained otherwise than in accordance with the instructions provided by Titon.
- 8.5. Subject to clauses 8.2 and 8.3, if any of the Products do not conform with the warranty in clause 8.1, Titon may, at its option, repair or replace such Products (or defective part) with the same or a suitable similar Product or refund the price of such Products paid by the Customer.
- 8.6. If Titon complies with clause 8.4, it shall have no further liability for a breach of the warranty in clause 8.1 in respect of the affected Products.
- 8.7. Customer expressly acknowledges and accepts that (i) the Product has not been developed or prepared to meet any specific requirements of any party, including any requirements of Customer, and (ii) Titon specifically disclaims any and all warranties and liabilities in relation to any systems design presented by Titon, and (iii) it is the responsibility of Customer to ensure that the Product and any systems design meet Customer's own individual requirements.
- 8.8. Subject to the foregoing, all conditions, warranties and representations expressed or implied by statute, common law or otherwise in relation to the Products are hereby excluded to the fullest extent permissible under applicable law, and Titon shall be under no liability to the Customer for any loss damage or injury, direct or indirect, resulting from defective material, faulty workmanship or otherwise howsoever arising and whether or not caused by Titon's negligence or that of its employees or agents. This does not affect the Customer's statutory rights where the Customer deals as a consumer.
- 8.9. FOR THE AVOIDANCE OF DOUBT, EXCEPT AS EXPRESSLY STIPULATED IN THESE CONDITIONS, TITON GIVES NO WARRANTY, EXPRESS OR IMPLIED, AS TO QUALITY, CONDITION, MERCHANTABILITY, NON-INFRINGEMENT OR THE FITNESS FOR ANY PARTICULAR PURPOSE OF PRODUCTS SUPPLIED AND THE CUSTOMER MUST DETERMINE THE SUITABILITY OF THE PRODUCTS ITSELF.

9. DELIVERY

- 9.1. Titon will use its best endeavours to comply with the despatch, collection and delivery dates but such dates are estimates only and not guaranteed and shall not be the essence of any Contract.
- 9.2. Delivery shall be deemed to take place on the earlier of either:
- 9.2.1. the physical handing over of the Products to the Customer or its delegated carrier or agent;
- 9.2.2. upon removal of the Products from Titon's premises when Titon has at the request of the Customer agreed to transport the Products; or
- 9.2.3. upon the placing of the Products in Titon's own storage facilities at the request of the Customer or upon its failure or refusal to accept delivery.
- 9.3. Customer agrees that if the Products are requested to be delivered in more than one consignment, then Customer shall be liable to pay for the additional carriage and insurance costs incurred in addition to the

19. Intellectual Property

18.1 Patented Design Statement

Protecting its intellectual property is a priority for Titon. Our products are covered by patents and design rights, while its brand names are secured through trademark registrations. All drawings, images, website pages, and marketing materials remain the property of Titon Hardware Limited and are protected by copyright. They cannot be copied, distributed, or reproduced without written permission. Any unauthorised use will be addressed accordingly.

18.2 Patented Design

Registered Design:

TA364 - Registered Design No 6080907

TA372 - Registered Design No 6080908

TA374 - Registered Design No 6080908

TA360 - Registered Design No 6067647

TA370 - Registered Design No 6067645

TA380 - Registered Design No 6067648

TA390 - Registered Design No 6067646

TA392 - Registered Design No 6067646

II

(Acts whose publication is not obligatory)

COMMISSION

COMMISSION DECISION

of 4 October 1996

establishing the list of products belonging to Classes A 'No contribution to fire' provided for in Decision 94/611/EC implementing Article 20 of Council Directive 89/106/EEC on construction products

(Text with EEA relevance)

(96/603/EC)

THE COMMISSION OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Community,

Having regard to Council Directive 89/106/EEC of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products⁽¹⁾, as amended by Directive 93/68/EEC⁽²⁾,

Having regard to Commission Decision 94/611/EC of 9 September 1994 implementing Article 20 of Council Directive 89/106/EEC on construction products⁽³⁾, and in particular Article 1 (1) thereof,

Whereas Article 3 (2) of Directive 89/106/EEC states that in order to take account of different levels of protection for the construction works that may prevail at national, regional or local levels, each essential requirement may give rise to the establishment of classes in the interpretative documents and the technical specifications;

Whereas point 4.2.1 of Interpretative Document No 2 'Safety in case of fire', contained in the Communication of the Commission with regard to the interpretative documents of Council Directive 89/106/EEC⁽⁴⁾, justifies the need for different levels of the Essential Requirement as a

function of the type, use and location of the construction work, its layout, and the availability of the emergency facilities;

Whereas point 2.2 of Interpretative Document No 2 lists a number of interrelated measures for the satisfaction of the Essential Requirement 'Safety in case of fire' which, together, contribute to the definition of a fire-safety strategy that can be developed in different ways in Member States;

Whereas point 4.2.3.3 of Interpretative Document No 2 identifies one of the measures prevailing in Member States that consists in limiting the generation and spread of fire and smoke within the room of origin (or in a given area) by limiting the contribution of construction products to the full development of a fire;

Whereas the definition of classes of the Essential Requirement depends partially on the level of such limitation;

Whereas the level of limitation may be expressed only by different levels of product performance, in the products end-use conditions, in reaction to fire;

Whereas point 4.3.1.1 of Interpretative Document No 2 specifies that to enable the reaction-to-fire performance of products to be evaluated, a harmonized solution will be developed which may utilize full or bench-scale tests that are correlated to relevant real fire scenarios;

Whereas this solution lies in a system of classes which are not included in the interpretative document but which were adopted in Decision 94/611/EC;

⁽¹⁾ OJ No L 40, 11. 2. 1989, p. 12.
⁽²⁾ OJ No L 220, 30. 8. 1993, p. 1.
⁽³⁾ OJ No L 241, 16. 9. 1994, p. 25.
⁽⁴⁾ OJ No C 62, 28. 2. 1994, p. 1.

Whereas in the system of classes contained in Decision 94/611/EC, the category 'No contribution to fire' was established with a view to covering products which do not need to be tested for their reaction to fire and which are referred to as Classes A in Tables 1 and 2 and, additionally, in Table 1 as 'list of non-combustible products';

Whereas Article 20 (2) of Directive 89/106/EEC indicates the procedure to be followed for the adoption of the provisions necessary for the establishment of classes of requirements in so far as they are not included in the interpretative documents;

Whereas the measures provided for in this Decision are in accordance with the opinion of the Standing Committee on construction,

HAS ADOPTED THIS DECISION:

Article 1

The materials, and products made from them, that are listed in the Annex to this Decision, shall, on account of

their low level of combustibility and subject to the conditions also set out in the Annex, be classified in Classes 1 ('No contribution to fire') as provided for in Tables 1 and 2 of the Annex to Decision 94/611/EC.

For the purpose of this classification, no reaction-to-fire testing of those materials and products made from them shall be required.

Article 2

This Decision is addressed to the Member States.

Done at Brussels, 4 October 1996.

For the Commission

Martin BANGEMANN

Member of the Commission

ANNEX

Materials to be considered as reaction to fire Classes A provided for in Decision 94/611/EC without the need for testing*General notes*

Products should be made only from one or more of the following materials if they are to be considered as Classes A without testing. Products made by gluing one or more of the following materials together will be considered Classes A without testing provided that the glue does not exceed 0,1 % by weight or volume (whichever is the lower).

Panel products (e.g. of insulating material) with one or more organic layers, or products containing organic material which is not homogeneously distributed (with the exception of glue) are excluded from the list.

Products made by coating one of the following materials with an inorganic layer (e.g. coated metal products) may also be considered as Classes A without testing.

None of the materials in the table is allowed to contain more than 1,0 % by weight or volume (whichever is the lower) of homogeneously distributed organic material.

Material	Notes
Expanded clay	
Expanded perlite	
Expanded vermiculite	
Mineral wool	
Cellular glass	
Concrete	Includes ready-mixed concrete and precast reinforced and prestressed products
Aggregate concrete (dense and lightweight mineral aggregates, excluding integral thermal insulation)	May contain admixtures and additions (e.g. PFA), pigments and other materials. Includes precast units
Autoclaved aerated concrete units	Units manufactured from hydraulic binders such as cement and/or lime, combined with fine materials (siliceous material, PFA, blast furnace slag), and cell generating material. Includes precast units.
Fibre cement	
Cement	
Lime	
Blast furnace slag/pulverized fly ash (PFA)	
Mineral aggregates	
Iron, steel and stainless steel	Not in finely divided form
Copper and copper alloys	Not in finely divided form

Material	Notes
Zinc and zinc alloys	Not in finely divided form
Aluminium and aluminium alloys	Not in finely divided form
Lead	Not in finely divided form
Gypsum and gypsum based plasters	May include additives (retarders, fillers, fibres, pigments, hydrated lime, air and water retaining agents and plasticisers), dense aggregates (e.g. natural or crushed sand) or lightweight aggregates (e.g. perlite or vermiculite).
Mortar with inorganic binding agents	Rendering/plastering mortars and mortars for floor screeds based on one or more inorganic binding agent(s), e.g. cement, lime, masonry cement and gypsum
Clay units	Units from clay or other argillaceous materials, with or without sand, fuel or other additives. Includes bricks, tiles, paving and fireclay units (e.g. chimney liners)
Calcium silicate units	Units made from a mixture of lime and natural siliceous materials (sand, siliceous gravel or rock or mixtures thereof). May include colouring pigments.
Natural stone and slate products	A worked or non-worked element produced from natural stone (magmatic, sedimentary or metamorphic rocks) or slate
Gypsum unit	Includes blocks and other units of calcium sulphate and water, that may incorporate fibres, fillers, aggregates and other additives, and may be coloured by pigments
Terrazo	Includes precast concrete terrazotiles and in-situ flooring.
Glass	Includes heat strengthened, chemically toughened, laminated and wired glass
Glass ceramics	Glass ceramics consisting of a crystalline and a residual glass phase
Ceramics	Includes dust-pressed and extruded products, glazed or unglazed



le futur en construction

SAFETY, STRUCTURES AND FIRE DEPARTMENT

Reaction to fire

**REACTION TO FIRE CLASSIFICATION REPORT
No. RA13-0167
ACCORDING TO THE EUROPEAN STANDARD
NF EN 13501-1**

Provided the Ordinance from the Ministry of the interior, November 21, 2002.
Pilot laboratory approved by the Ministry of the Interior (Ordinance of February 5, 1959, amended)
Seule la version française fait foi.
Only the French version is legally acceptable.

Valid 5 years from June 06th, 2013

Owner: AKZO NOBEL POWDER COATINGS SNC
Z.I. de la Gaudrée
91410 DOURDAN
FRANCE

Commercial brand(s): INTERPON POLYESTER coatings

Brief description: Powder coating
(see detailed description in paragraph 2)

Date of issue: June 06th, 2013

The indicated classification does not prejudice the conformity of marketed materials with the samples submitted to the tests and under no circumstances, this document should not be considered as type approval or certification of the product in the sense of the L 115-27 to L 115-33 and R 115-1 to R 115-3 articles of the consumption's code.
If this report is being issued by e-mail and/or on an electronic medium, only the hard copy of the report signed by CSTB shall prevail in the event of a dispute.
The reproduction of this classification report is only authorised in its integral form.
It comprises 3 pages.

CENTRE SCIENTIFIQUE ET TECHNIQUE DU BATIMENT

SIÈGE SOCIAL > 84 AVENUE JEAN JAURÈS | CHAMPS-SUR-MARNE | 77447 MARNE-LA-VALLÉE CEDEX 2

TÉL. (33) 01 64 68 84 12 | FAX. (33) 01 64 68 84 79 | www.cstb.fr

MARNE-LA-VALLÉE | PARIS | GRENOBLE | NANTES | SOPHIA-ANTIPOLIS

4. Classification and direct field of application

4.1 Reference of the classification

This classification has been carried out in accordance with clauses 11.7.3, 11.9.2 and 11.10.1 of the NF EN 13501-1 standard.

4.2 Classification

Fire behaviour		Smoke production		Flaming droplets or debris
A2	-	s1	,	d0

Classification: A2 - s1, d0

4.3 Field of application

This classification is valid for the following product parameters:

- The product described in paragraph 2.
- An applied maximum nominal quantity of 140 g/m².
- Various colours.

This classification is valid for the following end use conditions:

- The product applied to any A1 class metallic substrate with a thickness ≥ 0.8 mm and a density ≥ 2025 kg/m³.

Champs-sur-Marne, June 06th, 2013

**The Head of laboratory
Responsible for the test**

Nicolas ROURE

**The Head of Reaction to Fire
Unit**

Gildas CREACH

.....END OF THE CLASSIFICATION REPORT



Titon: The indoor air quality experts

At Titon, we believe everyone deserves to breathe cleaner, healthier air. With decades of expertise in designing and manufacturing advanced ventilation solutions, we are passionate about creating systems that improve indoor air quality, enhance comfort, and contribute to healthier living and working environments.

From highly efficient MVHR systems ideal for airtight, energy-efficient homes to MEV solutions and extract fans suited to medium-density buildings or retrofit projects, Titon provides the versatility and performance you need for every development type.

Our commitment to quality and reliability is demonstrated through our ISO and SAP certifications, and we are dedicated to supplier excellence. Combining rigorous product testing with outstanding service ensures that our every solution exceeds expectations.

As a trusted end-to-end partner, we support your project from start to finish. Whether it's helping you select the right system, providing tailored design advice, coordinating on-site support, or offering maintenance and after-care resources, we ensure your ventilation systems perform seamlessly at every stage.

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CO4 9YQ
United Kingdom

www.titon.com



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