United Arab Emirates
Ministry of interior
Civil Defense G.H.Q

دولة الامارات العربية المتحدة
وزارة الداخلية
القيادة العامة للدفاع المدني
لجنة اعتماد المختبرات العالمية
وبيوت الخبرة ومعاهد التدريب

Date : 23.07.2015

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	WF 190977/B	**CERTIFICATE NUMBER**	589
DATE OF ISSUE	29.04.2010	**DATE OF ISSUE**	Date of initial BMTRADA Certification 21 May 2012 Date of last issue 07.07.2015
DATE OF EXPIRY	No expiry date; Recommended for review on a 5 year cycle	**DATE OF EXPIRY**	19.05.2018 subjected to periodic audit review
Manufacturer details			
NAME OF FACTORY/ MANUFACTURER	Gulf Trade Link FZCO	**NAME OF THE BRAND**	Fire Ban Board
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	P.O. Box 263127 Jebel Ali Free Zone Dubai United Arab Emirates	**MODEL / NO**	Fire Ban Board 54mm thick FD 60
WEBSITE	www.fireban.net	**LOGO ON THE PRODUCT**	This Door is certified to BS 476 Part 22 By BMTRADA Certification Ltd. Fire Rating 60 minutes Gulf Trade Link FZCO PO BOX 263127 Dubai.UAE Certificate Nos: 589 Label Nos: 60/0000
TEL	04-8847758	**EMAIL**	gtlfireban@live.com

Product Details From Test Report		Reference Test Report page NO
DESCRIPTION OF THE PRODUCT (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/THICKNESS/ SENSITIVITY ETC)	Fully insulated single acting single leaf doorset approved for 60min rating, had over all dimensions of 2150mm high by 983mm wide and incorporated a door leaf of overall dimensions of 2108mm high by 910mm wide by 54mm thick.	1 and 2
TEST STANDARD (SUCH AS ASTM/BS EN/ DN ETC)	BS 476-22:1987: Part 22 – clause 6, and BS 476 Part 20: 1987 "General principles"	1 and 5
TEST DESCRIPTION	The doorset was mounted within an aperture in a blockwork wall construction such that its door leaf opened towards the heating conditions of the test. The specimen's storage, construction and test preparation took place in the test laboratory over a total combined time of 2 days. Throughout this period both the temperature and the humidity were recorded within a range of 13^0 C to 19^0 C and 32% to 45% respectively. The furnace was controlled so that its mean temperature complied with the requirements of BS 476: Part 20:1987, clause 3.1 using six mineral insulated thermocouples distributed over a plane 100mm from the surface of the test construction. 5 thermocouples on the leaf and 3 on the frame to monitor the unexposed surface of the specimen at no less than one minute interval. A roving thermocouple was available to measure the temperature of the unexposed surface of the specimen at any position which might appear to be hotter than the temperature indicated by the fixed thermocouples. After the first 5 minutes of testing and for reminder of test the furnace atmospheric pressure was controlled, so that it complied with the requirements of BS 476-22: Part 20: 1987 clause 3.2.2. The calculated pressure differential relative to the laboratory atmosphere was 9.7 (±2) Pa at the head of the doorset. The ambient air temperature in the vicinity of the test construction was 11^0 C at the start of the test with a maximum variation of $+1^0$ C during the test.	5, 12 and 13
SPECIFICATION OF TEST SPECIMEN	Doorset single acting single leaf doorset had over all dimensions of 2150mm high by 983mm wide and incorporated a door leaf of overall dimensions of 2108mm high by 910mm wide by 54mm thick. The door leaf was hung within a hardwood frame on 3 stainless steel hinges referenced "HIN 1433/13SSS 2BB" size 102mm x 31mm x 03mm thick bedded by 2mm thick Lorient interdens fixed with 4 no. of 30mm long x 4.7mm diameter countersunk head wood screws. The door leaf core referenced "Fire Ban" comprised of a 3 no. layer	2, 7, 8, 9 and 10

	particleboard construction within 0.6 mm thick timber veneer facing and 10mm hardwood species American ash wood lipping 650kg/m^3 bonded on all four sides of the door leaf by UF glue. The leaf included a latch, 150mm x 85mm with forend plate 235mm x 24mm and strike plate 175mm long, at its approximate mid- height, which was bed with Lorient 2mm interdens and was disengaged for the test duration. The door set was provided with an overhead steel door closer referenced "DCT2024" overall body size was 207mm x 55mm x 40mm deep, surface mounted at the exposed face of doorset, bed with Lorient 2mm interdens. The door set was installed such that its leaf opens towards the heating conditions of the test. Door frame is 200mm X 45mm including 13mm deep rebate door stop hardwood species American ash wood of 650kg/m^3 with LP1504 intumescent strip 15mm x 04mm thick 2 nos. strip self adhesive fixed within a groove 10mm apart along rebate of door frame jambs and head. Frame joint is mitered with single finger glued by UF and 2 no. steel screws per joint.	
TEST RESULT **(SUCH AS PASSED CRITERIA___/ COMPLIED TO___/ DURATION___/OBSERVATION___/ETC)**	The passed door approved for 60 min. The requirements of the standards were satisfied by the Doorset Integrity= 66 min, Insulation= 66 min because a cotton pad was applied at the upper right corner of the leaf and glowing can be seen within the pad. Integrity failure of doorset is deemed to have occurred and the test discontinued at the sponsor's request.	2, 27 and 14
PRODUCT APPLICATION GUIDELINE (END USE) **(CLEARLY STATE THE END USE WITH SPECIFIC APPLICATION, SUCH AS EXACT FIRE RATING/TO BE INSTALLED IN___/TO BE INSTALLED AT____/TO BE CONNECTED WITH____/TO BE INSTALLED WITH___ ETC ALONG WITH ANY WARNINGS SUCH AS NOT TO BE USED IN___/NOT TO BE INSTALLED AT___/ NOT TO BE INSTALLED WITH___ETC.**	The results relate only to the behavior of the specimen of the element of construction under particular conditions of test. They are not intended to be the sole criteria for assessing the potential fire performance of the element in use nor do they reflect the actual behavior in fires. The test results relate only to the specimen tested. Application of the result to doorsets of different dimensions or supported other than by a masonry wall or incorporating different components should be the subject of design appraisal. The test result may not be appropriate to situation where the door leaf opens away from the heating conditions.	26

Laboratory and Certification body details

NAME OF CERTIFICATION BODY	BMTRADA Certification Ltd. trading as BM TRADA	**NAME OF TEST FACILITY**	Exova Warington Fire
CERTIFICATION BODY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Chiltern House, Stocking Lane, Hughenden Valley, High Wycombe, Buckinghamshire. HP14 4ND, UK. P. O. Box 30945 Dubai, UAE.	**TEST FACILITY ADDRESS / REGION** (STREET / TOWN / CITY / COUNTRY)	Holmesfield Road Warrington WA1 2DS United Kingdom
WEBSITE	www.bmtrada.com	**WEBSITE**	www.exova.com
TEL	+44 0 1494 569700 +9714-2680130	**TEL**	+44 (0) 1925655116
EMAIL	certification@bmtrada.com	**EMAIL**	warrington@exova.com
ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE)	- United Kingdom Accreditation Service (UKAS) www.ukas.com - Emirates National Accreditation System (ENAS)	**ACCREDITED BY** (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE)	- United Kingdom Accreditation Service (UKAS) www.ukas.com
AS PER (STANDARD TO WHICH THE CERTIFICATION BODY IS ACCREDITED TO)	ISO/IEC17065-2012	**AS PER** (STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)	
VALIDITY (EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)	No expiry date; subject to periodic audit review	**VALIDITY** (EXPIRY DATE OF LABORATORY ACCREDITATION)	
REFERENCE NUMBER: (CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	0012 (UKAS) NAC003 (ENAS)	**REFERENCE NUMBER:** (THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	
CERTIFICATION MARK	International Fire Door Manufacture BMTRADA UKAS PRODUCT CERTIFICATION 012	ENAS Emirates National Accreditation System NAC 003 17065	

(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME OF MANUFACTURER'S SIGNATORY	ISLAH	**SIGNATURE**	
EMAIL / TEL	gtlfireban@live.com 04-8847758	**FACTORY OFFICIAL SEAL**	Jebel Ali Dubai - U.A.E. Gulf Trade Link FZCO
NOTES: I Undertake that all data and information provided are genuine and accurate			

(ENDORSEMENT) TO BE SIGNED BY CERTIFICATION BODY			
NAME OF CERTIFICATION BODY SIGNATORY	Jawad Rida	**SIGNATURE**	
EMAIL / TEL	jrida@bmtrada.com 04-2680130	**CERTIFICATION BODY OFFICIAL SEAL**	BMTRADA BMTRADA - Middle East P.O. Box 30945, Dubai, UAE
NOTES: I Undertake that all data and information provided are genuine and accurate			

ATTACHMENTS:

- **COPY OF 'CERTIFICATE OF COMPLIANCE' ISSUED BY CERTIFICATION BODY (OLD OR NEW)**

United Arab Emirates
Ministry of interior
Civil Defense G.H.Q

دولة الامارات العربية المتحدة
وزارة الداخلية
القيادة العامة للدفاع المدني
لجنة اعتماد المختبرات العالمية
وبيوت الخبرة ومعاهد التدريب

Date : 23.07.2015

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	ME31-1	**CERTIFICATE NUMBER**	589
DATE OF ISSUE	23.08.2012	**DATE OF ISSUE**	Date of initial BMTRADA Certification 21 May 2012 Date of last issue 07.07.2015
DATE OF EXPIRY	No expiry date; Recommended for review on a 5 year cycle	**DATE OF EXPIRY**	19.05.2018 subjected to periodic audit review
Manufacturer details			
NAME OF FACTORY/ MANUFACTURER	Gulf Trade Link FZCO	**NAME OF THE BRAND**	Fire Ban Board
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	P.O. Box 263127 Jebel Ali Free Zone Dubai United Arab Emirates	**MODEL / NO**	Fire Ban Board –Single leaf with vision panel and louver-60
WEBSITE	www.fireban.net	**LOGO ON THE PRODUCT**	This Door is certified to BS 476 Part 22 By BMTRADA Certification Ltd. Fire Rating 60 minutes Gulf Trade Link FZCO PO BOX 263127 Dubai.UAE Certificate Nos: 589 Label Nos: 60/0000
TEL	04-8847758	**EMAIL**	gtlfireban@live.com

Product Details From Test Report		Reference Test Report page NO
DESCRIPTION OF THE PRODUCT (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/THICKNESS/ SENSITIVITY ETC)	Two Single leaf with vision panel, louver and facing grooves. **Panel A** contained a vision panel and a louver. The overall size of the panel was 900 x 2200mm (w x h) and 65.2mm thick. The size of the vision panel was 350 x 550mm (w x h). **Panel B** contained a vision panel and a louver. The overall size of the panel was 900 x 2200mm (w x h) and 65.2mm thick. The size of the vision panel was 350 x 430mm (w x h). The louvers attached to both panels were 300 x 300mm (w x h) Both panels consisted of facing groove 900 x 4 x 4mm (w x h x d).	Cover page and 2
TEST STANDARD (SUCH AS ASTM/BS EN/ DN ETC)	BS 476-22:1987: Part 22 Note: The intent of this test was to determine the performance of door leaf only. Hence the results of this test are not applicable to doorsets.	1
TEST DESCRIPTION	The panels had no movable components and hence no gap existed that could be measured. The time temperature curve has been controlled using the nine thermocouples distributed in the furnace. The thermocouples were placed at 100 mm from the exposed face of the specimen. The ambient temperature at the commencement of the test was 30^0 C. The pressure in the furnace was controlled at 12Pa at its relative position in the furnace, in accordance with paragraph 3.2.2 of BS 476-20:1987. No deflect on measurements were taken as agreed with the test sponsor as the deflections would not be representative behavior of the panels unless it was tested along with a framing system. Unexposed face temperature of both panels and radiation for Panel B only have been measured.	3
SPECIFICATION OF TEST SPECIMEN	**Panel A**: FireBAN board FD90 fire rated particle board, 900 x 2200mm (w x h), thickness: 64 mm (with 0.6 thk. veneer facing on both sides) so total thickness= 65.2mm. A groove 3 x 3 x 900mm wide is routed out at 440mm centers along the panel as a decorative finish. Glass beading is steel framing system: 350 x 550mm (w x h) 1.5mm thick, screwed using 5 x 45mm sized screws. Glass is Firelite Ceramic Glass 300 x 500 x 5mm (w x h x thk). The glass sits within 27 x 27mm Lorient intumescent C channel LP27x27mm sleeves that overlap the perimeter of the glass by 25mm placed within the vision panel aperture on the panel lined with 2mm thick intumescent sheet. **Panel B**: FireBAN board FD90 fire rated particle board, 900 x	2, 8, 9, 10 and 11

	2200mm (w x h), thickness: 64 mm (with 0.6 thk. veneer facing on both sides) so total thickness= 65.2mm. A groove 3 x 3 x 900mm wide is routed out at 440mm centers along the panel as a decorative finish. Glass beading is steel framing system: 350 x 430mm (w x h) 1.5mm thick, screwed using 5 x 45mm sized screws. Glass is Firelite Ceramic Glass 300 x 380 x 5mm (w x h x thk). The glass sits above 2mm thick Lorient intumescent sheet that is placed on the inner perimeter of the aperture. An intumescent spacer is placed at the perimeter around the glass. The cavity between the glass and the steel frame above the intumescent spacer is filled with intumescent mastic on either face. **Air flow louvers** ref. LVHC 44 attached to both panels were 300 x 300mm (w x h) fixed within the opening with a zintec steel frame and stainless steel slats, over which a grill 350 x 350mm is screwed from either side thereby holding the system in place.	
TEST RESULT (SUCH AS PASSED CRITERIA___/ COMPLIED TO___/ DURATION___/OBSERVATION___/ETC)	**Panel A with vision panel and louver** is approved for 60 minutes as the requirements of the standards were satisfied by the integrity: 69 min. and insulation: 69 min because at 69' 38" sustainable flaming for more than 10 seconds near the top of the vision panel. Integrity and insulation failure. **Panel B with vision panel and louver** is approved for 60 minutes as the requirements of the standards were satisfied by the integrity: 77 min. and insulation: 77 min because at 77' 39" sustainable flaming for more than 10 seconds near the top of the vision panel. Integrity and insulation failure. The test ended at 91' 14". **After test observations**: • The glass of panel B fell into the furnace. • No charring, flaming or smoke was observed coming out between the grooves on either panel. **Note**: The results reported above are valid for panels only and not for complete doorsets. The intent of this test was to determine the fire resistance of a vision panel and louver.	5 and 4
PRODUCT APPLICATION GUIDELINE (END USE) (CLEARLY STATE THE END USE WITH SPECIFIC APPLICATION, SUCH AS EXACT FIRE RATING/TO BE INSTALLED IN___/TO BE INSTALLED AT____/TO BE CONNECTED WITH____/TO BE INSTALLED WITH___ ETC ALONG WITH ANY WARNINGS SUCH AS NOT TO BE USED IN___/NOT TO BE INSTALLED AT___/ NOT TO BE INSTALLED WITH___ETC.	The results related only to the behavior of the specimen of the element of construction under particular conditions of test. They are not intended to be the sole criteria for assessing the potential fire performance of the element in use nor do they reflect the actual behavior in fires. Application of the results to assemblies with different dimensions or incorporating different components should be subject to design appraisal.	6

Laboratory & Certification Body Details			
NAME OF CERTIFICATION BODY	BM TRADA Certification Ltd. trading as BM TRADA	**NAME OF TEST FACILITY**	Thomas Bell-Wright International Consultants
CERTIFICATION BODY ADDRESS/REGION (STREET/TOWN/CITY/COUNTRY)	- Chiltern House, Stocking Lane, Hughenden Valley, High Wycombe, Buckinghamshire. HP14 4ND, UK. - P. O. Box 30945 Dubai, UAE.	**TEST FACILITY ADDRESS/REGION** (STREET/TOWN/CITY/COUNTRY)	Thomas Bell-Wright International Consultants. P.O. Box 26385, Dubai, UAE
WEBSITE	www.bmtrada.com	**WEBSITE**	www.bell-wright.com
TEL.	+44 (0) 1494 569700 +9714-2680130	**TEL.**	+971 (4) 333 2692
EMAIL	certification@bmtrada.com	**EMAIL**	admin@bell-wright.com
ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE)	United Kingdom Accreditation Service (UKAS) www.ukas.com	**ACCREDITED BY** (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE)	United Kingdom Accreditation Service (UKAS) www.ukas.com and Emirates National Accreditation System; Registration No. NAL008
AS PER (STANDARD TO WHICH THE CERTIFICATION BODY IS ACCREDITED TO)	ISO/IEC 17065	**AS PER** (STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)	ISO/IEC 17025
VALIDITY (EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)	No expiry date; subject to periodic audit review	**VALIDITY** (EXPIRY DATE OF LABORATORY ACCREDITATION)	No expiry date; subject to periodic audit review
REFERENCE NUMBER: (CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	012(UKAS) NAC003 (ENAS)	**REFERENCE NUMBER:** (THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	4439
CERTIFICATION MARK	International Fire Door Manufacture BMTRADA UKAS ENAS Emirates National Accreditation System NAC 003 17065		

(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME OF MANUFACTURER'S SIGNATORY	ISLAH	**SIGNATURE**	
EMAIL / TEL	gtlfireban@live.com 04-8847758	**FACTORY OFFICIAL SEAL**	جلف تريد لينك ش م ح Jebel Ali Dubai - U.A.E. Gulf Trade Link FZCO
NOTES: I Undertake that all data and information provided are genuine and accurate			

(ENDORSEMENT) TO BE SIGNED BY CERTIFICATION BODY			
NAME OF CERTIFICATION BODY SIGNATORY	Jawad Rida	**SIGNATURE**	
EMAIL / TEL	jrida@bmtrada.com 04-2680130	**CERTIFICATION BODY OFFICIAL SEAL**	BMTRADA BM TRADA - Middle East P.O. Box 30945, Dubai, UAE
NOTES: I Undertake that all data and information provided are genuine and accurate			

ATTACHMENTS:

- **COPY OF 'CERTIFICATE OF COMPLIANCE' ISSUED BY CERTIFICATION BODY (OLD OR NEW)**

United Arab Emirates
Ministry of interior
Civil Defense G.H.Q

دولة الامارات العربية المتحدة
وزارة الداخلية
القيادة العامة للدفاع المدني
لجنة اعتماد المختبرات العالمية
وبيوت الخبرة ومعاهد التدريب

Date : 23.07.2015

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	WF/197538	**CERTIFICATE NUMBER**	589
DATE OF ISSUE	25.01.2011	**DATE OF ISSUE**	Date of initial BMTRADA Certification: 21 May 2012 Date of last issue: 07 July 2015
DATE OF EXPIRY	No expiry date; Recommended for review on a 5 year cycle	**DATE OF EXPIRY**	19 May 2018 Subjected to periodic audit review
Manufacturer details			
NAME OF FACTORY/ MANUFACTURER	Gulf Trade Link FZCO	**NAME OF THE BRAND**	Fire Ban Board
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	P.O. Box 263127 Jebel Ali Free Zone Dubai United Arab Emirates	**MODEL / NO**	Fire Ban Board –Single acting Double leaf doorset-60
WEBSITE	www.fireban.net	**LOGO ON THE PRODUCT**	This Door is certified to BS 476 Part 22 By BMTRADA Certification Ltd. Fire Rating 60 minutes Gulf Trade Link FZCO PO BOX 263127 Dubai.UAE Certificate Nos: 589 Label Nos: 60/0000
TEL	04-8847758	**EMAIL**	gtlfireban@live.com

Product Details From Test Report		Reference Test Report page NO
DESCRIPTION OF THE PRODUCT (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/THICKNESS/ SENSITIVITY ETC)	Partially insulated Single acting double leaf doorset, had over all dimensions of 2195 mm high by 1915 mm wide and incorporated two door leaves each of overall dimensions of 2151 mm high by 930 mm wide by 55.2 mm thick. Approved for 60min. fire rating.	1 and 2
TEST STANDARD (SUCH AS ASTM/BS EN/ DN ETC)	BS 476-22: Part 22: 1987– clause 7 'Methods for determination of the fire resistance of non-load bearing elements of construction' and BS 476 Part 20: 1987 'Methods for determination of the fire resistance of elements of construction (general principles)'.	1 and 5
TEST DESCRIPTION	The doorset was mounted within an aperture in a blockwork wall construction such that its door leaf opened towards the heating conditions of the test. The specimen's storage, construction and test preparation took place in the test laboratory over a total combined time of 5 days. Throughout this period both the temperature and the humidity were recorded within a range of 8^0 C to 14^0 C and 33% to 67% respectively. The furnace was controlled so that its mean temperature complied with the requirements of BS 476: Part 20:1987, clause 3.1 using six mineral insulated thermocouples distributed over a plane 100mm from the surface of the test construction. 5 thermocouples on the unexposed face of the leaf, 3 positioned on the unexposed surface of the glass and 4 on the unexposed surface of the frame one at the approximate mid height of each of the vertical frame members and two on the top frame member at approximately mid width of each door leaf. A roving thermocouple was available to measure the temperature of the unexposed surface of the specimen at any position which might appear to be hotter than the temperature indicated by the fixed thermocouples. After the first 5 minutes of testing and for reminder of test the furnace atmospheric pressure was controlled, so that it complied with the requirements of BS 476-22: Part 20: 1987 clause 3.2.2. The calculated pressure differential relative to the laboratory atmosphere was 10.1(±2) Pa at the head of the doorset. The ambient air temperature in the vicinity of the test construction was 10^0 C at the start of the test with a maximum variation of $+1^0$ C during the test. The door leaf was hung within a hardwood frame on 3 stainless steel hinges referenced "HIN 1433/13SSS 2 BB", and was oriented such that they opened towards the heating conditions of the test.	5, 15 and 16

	duration. Door leaf B (right hand leaf) incorporated 15mm wide x 4mm thick, including PVC carrier, self adhesive, fixed within a groove along meeting edge lipping of door leaf B, interrupted at the latch forend plate, and an aperture of overall cut-out dimensions 316mm wide by 516mm high which was glazed with a single pane of nominally 300mm wide by 500mm high 5 mm thick "Firelite" glass. The glazed vision panel was protected via a glazing seal referenced "Lorient System 90 plus" and was retained in place via 32 mm long x 1.6 mm diameter steel pin fixed hardwood (Beech, density= 650 kg/m3) beading. Glazing Seal was 27mm x 27mm glass edge seal and 54mm wide x 2mm thick intumescent liner. The door leaf also included an overhead door closer ref. 'DCT2024' overall body size was 207mm x 55mm x 40mm deep fitted to the exposed face and a 85mm x 150mm casing, 180mm long strike plate stainless steel latch ref. CSL1191 SSS at its approximate mid-height, bedded with 2mm thick Interdens fitted to all edges and faces of lock case, and also behind forend plate and strike plate. Cut-out in door leaf for cylinder also lined with interdens which was disengaged for the test duration. Door frame is 200mm X 45mm including 12mm deep rebate door stop hardwood species German beech wood of 650kg/m3 with LP1504 intumescent strip 15mm x 04mm thick 2 nos. strip self adhesive fixed within a groove 9mm apart along rebate of door frame jambs and head. Frame joint is mitered with single finger and 5 no. of 50mm long steel screws per joint.	
TEST RESULT **(SUCH AS PASSED CRITERIA___/ COMPLIED TO___/ DURATION___/OBSERVATION___/ETC)**	The passed door approved for 60 min. The requirements of the standards were satisfied by the Doorset Integrity= 60 min, Insulation= 60 min because at 60' 45" sustained flames issue from the upper left corner of the doorset. Integrity failure is deemed to occur. The surface of the leaves appear undulated throughout. The test was discontinued after a period of 62 min. Observation: The vision panel within both door leaves remained intact for the 62 minute test duration.	2, 31 and 17
PRODUCT APPLICATION GUIDELINE (END USE) **(CLEARLY STATE THE END USE WITH SPECIFIC APPLICATION, SUCH AS EXACT FIRE RATING/TO BE INSTALLED IN___/TO BE INSTALLED AT____/TO BE CONNECTED WITH____/TO BE INSTALLED WITH___ ETC ALONG WITH ANY WARNINGS SUCH AS NOT TO BE USED IN___/NOT TO BE INSTALLED AT___/ NOT TO BE INSTALLED WITH___ETC.**	The results relate only to the behavior of the specimen of the element of construction under particular conditions of test. They are not intended to be the sole criteria for assessing the potential fire performance of the element in use nor do they reflect the actual behavior in fires. The test results relate only to the specimen tested. Application of the result to doorsets of different dimensions or supported other than by a masonry wall or incorporating different components should be the subject of design appraisal. The test result may not be appropriate to situation where the door leaf opens away from the heating conditions.	30

	The door leaves comprised of a 3 no. layer particleboard construction referenced "Fire Ban" within 0.6 mm thick timber veneer facings and hard wood lipping bonded on all four sides of the door leaf. The Furnace so that it mean temperature complies with the requirements of BS 476-22: Part 20: 1987 clause 3.1 Thermocouples were provided to monitor the unexposed surface of the specimen. Roving thermocouples was available to measure the temperature of the unexposed surface of the specimen at any position which might appear to be hotter than the temperature indicated by the fixed thermocouples. The locations and reference numbers of the various unexposed surface thermocouples are shown in Figure 1 After the first 5 minutes of testing and for reminder of test the furnace atmospheric pressure was controlled, so that it complied with the requirements of BS 476-22: Part 20: 1987 clause 3.2.2	
SPECIFICATION OF TEST SPECIMEN	Partially insulated single-acting, double-leaf doorset had over all dimensions of 2195mm high by 1915mm wide and incorporated two door leaves, each of overall dimensions 2151mm high by 930mm wide by 55.2mm thick. The door leaves comprised of a 3 no. layer particleboard core construction referenced 'FIREBAN', with 0.6mm thick timber veneer facings and hardwood species German Beech wood lipping, density= 650 kg/m^3 (stated), thickness= 10mm (20 mm, with 13 mm deep rebate for Door Leaf Lipping on meeting edges), bonded on all four sides of each door leaf with Polyurethane adhesive. The door leaves were hung within a hardwood frame by three stainless steel hinges ref. 'HIN 1433/13SSS 2BB' 102mm long x 30mm wide by 3mm thick bedded with 2mm thick Lorient Polyproducts Ltd. interdens, and was orientated such that they opened towards the heating conditions of the test. Door leaf A (left hand leaf) incorporated 10mm wide x 4mm thick, including PVC carrier, self adhesive, continuously fixed within a groove along meeting edge lipping of door leaf A and an aperture of overall cut-out dimensions 216mm wide by 816mm high which was glazed with a single pane of nominally 200mm wide by 800mm high 5mm thick "Firelite" glass. The glazed vision panel was protected via a glazing seal referenced "Lorient System 90 plus" and was retained in place via 32 mm long x 1.6 mm diameter steel pin fixed hardwood (Beech, density= 650 kg/m^3) beading. The door leaf also included top and bottom stainless steel 203 mm x 20 mm x 34 mm flush bolts ref. "FBT 1008", which were engaged for the test	2, 10, 11, 12 and 13

Laboratory and Certification body details

NAME OF CERTIFICATION BODY	BMTRADA Certification Ltd. trading as BM TRADA	**NAME OF TEST FACILITY**	Exova Warington Fire
CERTIFICATION BODY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Chiltern House, Stocking Lane, Hughenden Valley, High Wycombe, Buckinghamshire. HP14 4ND, UK. P. O. Box 30945 Dubai, UAE.	**TEST FACILITY ADDRESS / REGION** (STREET / TOWN / CITY / COUNTRY)	Holmesfield Road Warrington WA1 2DS United Kingdom
WEBSITE	www.bmtrada.com	**WEBSITE**	www.exova.com
TEL	+44 0 1494 569700 +9714-2680130	**TEL**	+44 (0) 1925655116
EMAIL	certification@bmtrada.com	**EMAIL**	warrington@exova.com
ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE)	- United Kingdom Accreditation Service (UKAS) www.ukas.com - Emirates National Accreditation System (ENAS)	**ACCREDITED BY** (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE)	- United Kingdom Accreditation Service (UKAS) www.ukas.com
AS PER (STANDARD TO WHICH THE CERTIFICATION BODY IS ACCREDITED TO)	ISO/IEC17065-2012	**AS PER** (STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)	
VALIDITY (EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)	No expiry date; subject to periodic audit review	**VALIDITY** (EXPIRY DATE OF LABORATORY ACCREDITATION)	
REFERENCE NUMBER: (CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	0012 (UKAS) NAC003 (ENAS)	**REFERENCE NUMBER:** (THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	
CERTIFICATION MARK	International Fire Door Manufacture BMTRADA UKAS PRODUCT CERTIFICATION 012	ENAS Emirates National Accreditation System NAC 003 17065	

(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME OF MANUFACTURER'S SIGNATORY	ISLAH	**SIGNATURE**	
EMAIL / TEL	gtlfireban@live.com 04-8847758	**FACTORY OFFICIAL SEAL**	جلف تريد لينك ش م ع Jebel Ali Dubai - U.A.E. Gulf Trade Link FZCO
NOTES: I Undertake that all data and information provided are genuine and accurate			

(ENDORSEMENT) TO BE SIGNED BY CERTIFICATION BODY			
NAME OF CERTIFICATION BODY SIGNATORY	Jawad Rida	**SIGNATURE**	
EMAIL / TEL	jrida@bmtrada.com 04-2680130	**CERTIFICATION BODY OFFICIAL SEAL**	BMTRADA BM TRADA - Middle East P.O. Box 30945, Dubai, UAE
NOTES: I Undertake that all data and information provided are genuine and accurate			

ATTACHMENTS:

- **COPY OF 'CERTIFICATE OF COMPLIANCE' ISSUED BY CERTIFICATION BODY (OLD OR NEW)**