

**VENTILATION DIVISION/ FIRE SERVICES DEPARTMENT
LIST OF ACCEPTABLE MATERIAL**

TYPE	BRAND NAME / MODELS / DESCRIPTION	MANUFACTURER	ACCEPTANCE DATE	DATE TO REVIEW	Remarks
(1) Air Cleaner / Precipitators					
Electrostatic Air Cleaner / Precipitator	AIRSCREEN' 1000 & 2000 Electronic Air Cleaner	CIMATEC Enviromental Engineering Knc., Canada	29/7/2004	July 2009	
Electrostatic Air Cleaner / Precipitator	"COSATRON" Electrostatic Air Cleaner	CRS Industries Inc., USA	17/2/2005	December 2009	
Electrostatic Air Cleaner / Precipitator (77)	PSG followed by -11,-12,-13,-14,-21,-23,-24,-31,-32,-34,-41,-42,-43,-44,; followed by -1,-2,-3	United Air Specialists Inc. (USA)	12/4/2005	April 2010	
Electrostatic Air Cleaner / Precipitator (88)	"Kelantechnics, CrystalVent" Electrostatic Precipitator (BS 266LL)	Electrostatic Precipitator	18/8/2005	September 2009	
Electrostatic Air Cleaner / Precipitator (103)	"TRION" Electrostatic Precipitator, Model 75 followed by 75-102 thru 75-110; 75-203 75-210; 75-203 thru 75-310; followed by -01 thru-04.	TRION, Inc. (USA)	31/10/2005	August 2010	
Electrostatic Air Cleaner / Precipitator (104)	"Air-quality" Electrostatic Air Cleaner- "Smokemaster" model F61 and F72 series electrostatic air cleaners	Aire Quality Engineering Inc. (USA)	7/11/2005	October 2010	
Electrostatic Air Cleaner / Precipitator (126)	Crystalvent Electrostatic Precipitator (the trade name of the original model name of 天藍 BS266)	Kelantechnics Environmental Products Co., Limited (佛山市城區天藍環保電器設備廠)	10/3/2006	September 2009	
Electrostatic Air Cleaner / Precipitator (222)	"Dr. ESP™" (除煙博士™) Electrostatic Precipitator (EP) Model: ESP 2500; ESP 5000; ESP 7500	ISO -ING Technologyies Limited, Hong Kong	18/9/2007	September 2010	

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Electrostatic Air Cleaner / Precipitator (308)	MAN PO "MP" Series- Model : F101,F102,F103,F104, F202,F203,F204,F303,F304.	Guangzhou Man Po Kitchen Equipment Co. Ltd.	13/8/2008	August 2013	
Electrostatic Precipitator (309)	"GZ GREEN" - Model GEP-01 Electrostatic Precipitator in Kitchen Exhaust System interlocking system	Guangzhou Green Technologies Co., Ltd.	14/8/2008	August 2011	
Electronic Air Cleaner (379)	Dynamic / P1000 and P2000 / Panel type units of similar design for both models, comprising a steel cabinet, single or multiple electrostatic panels, high voltage power supply and without air-moving fans	Engineering Dynamic Ltd., Canada	18/6/2009	June 2014	a) the products shall not be used in hazardous locations or for handling hazardous gases / mixtures b) the products shall remain listed as CSA Certified Product and all units shall bear the appropriate CSA Mark
(2) Air Filters					
Carbon Filter	CHEMOX and Activated Carbon filter media	Sparks Technology, Inc., USA	20/9/2003	September 2013	
Air Filter	"Complex Photocatalysis Antibacterial" Metal Foam Air Filters for HVAC System	Shunde Canafull Industry Co. Ltd., China	23/2/2005	September 2009	
Air Filter	"DUST FIGHTER 95" Air Filter Unit for HVAC System	Dust Free Inc. Royse City, USA	12/9/2005	September 2010	
Air Filter(152), (338)	"AAF" Air Filter Unit for HVAC System / Models "Astrocel I", "Astrocel II" and "Astrocel TM"	AAF International, Louisville, USA	4/8/2006, 22/12/2008	August 2011	refer (152) to supplement that filter models on 22/12/2008
Air Filter(206)	" Purolator" Air Filter Unit Throw away, dry type : a) SERVA-cell; b) hi-E 40; c) Mark 7 Replaceable media type: a) SERVA-pak	Purolator Products Air Filtration Co. USA	11/5/2007	May 2012	UL File No. AJZV.R4138 Test Standard: UL 900

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Air Filter(208)	"FLECO" Air Filter Units Model: a) Pleated Filter b) Pocket Filter c) Septara	Kunshan Fleco Filtration Co. Ltd., P.R.C.	30/5/2007	May 2012	
Air Filter(211)	"3 M" Air Filter	3 M Company, USA	18/6/2007	1 June, 2011	
Air Filter(213)	"AAF" Chemical Air Filter Units	AAF International, Louisville, USA	27/6/2007	1 June, 2010	
Air Filter(216)	"AAF" AmerTex R-Series Filter	AAF International, Louisville, USA	26/7/2007	1 July, 2010	
Air Filter(223)	"Nippon Muki" Dusclean DS Series Pre-filter with either aluminium or stainless steel frame	Nippon Muki Co., Ltd., Japan	18/9/2007	September 2010	
Air Filter(257)	"Camfil Farr" Air Filter Model: 1) Throw away type--a) Absolute & b) Aeropac; 2) Replacable media, adhesive coated--Hi-Cap; 3) Replacable media, dry	Camfil Farr Group, Malaysia and PRC	18/2/2008	Feb 2012	
Air Filter(260)	"Camfil Farr" Air Filter - Throw away, dry type Model: a) Aeropleat IV; b) Aeropleat IV+; c) Aeropleat III;	Camfil Farr Group, Malaysia and PRC	14/3/2008	March 2012	
Air Filter(261)	"Permatron" Air Filter - Washable unit, dry type: DustEater Easy Flow; Lifestyle Plus MF and Lifestyle Plus LR	a) Permatron Corp., USA b)	14/3/2008	March 2012	

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Air Filter(262)	"Purafil" Chemical Air Filter - Dry type filter media: a) Chemisorbant media; b) Select CP Blend media; c) Select media;	Purafil Inc., USA	17/3/2008	March 2012	Item (a) to (i) above are to be factory-filled into the following models: 1) PK-18; 2) CK-12/24 & 3) PM-18 Dry air filter unit- Purafilter
Air Filter(276)	"CLEANCEL" Air Filters Model : "MCC-7524", "MCC-7536" and "MCC-7548" a) "CLEANCEL" mini pleat HEPA filter, max. 3-1/8 in. depth.	Clean Tech Korea Co. Ltd., S. Korea	19/5/2008	May 2013	
Air Filter (290)	"Dust Free" Throw Away Type Air Filter a) Bag Filter: DFSB-65, DFSB-85 & DFSB-95 b) Cartridge Filter: DFC-65 & DFC-95	Shen Zhen Dust Free Mfg. Limited, PRC	3/7/2008	July 2013	Class 1 or 2, as listed in UL 900 Certificates.
Air Filter (289)	"Glasfloss" Throw Away Type Air Filter a) "Z-line" Series "SB", "ZL", "HV", "MR8", "MR11" and Carbotron", max. thickness 8 in. b) "Excel", "Purapack", max. dep	Glassfloss industries Inc., USA	3/7/2008	July 2013	Class 1 or 2, as listed in UL 900 Certificates.
Filter Media (314)	"FT" Series Synthetic Filter Media, and non-woven polyester fibers of thickness 1/2" to 2" and density 4.75 kg/m ³	Yun Yu Hang Co., Ltd., Republic of China	8/9/2008	September 2011	
Air Filter (315)	AAF "AmAir C" Air Filters, Model: "AmAir C" throw-away dry type panel filter	AAF International, Louisville, USA	19/9/2008	Sept 2013	The filte shall remain UL listed and bear the appropriate UL mark

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Air Filter (320)	"Visko-Aire" Polyester Filter Media, Model : a) Dry Type Media, Roll Media, Untreated b) Adhesive Coated Media, Roll Media, Tackified c) Dry Type Media, R-70 Media d) Dry Type Media, R-80 Media	Viskon-Aire Corporatio, USA	14/10/2008	Oct 2013	The filter shall be UL listed and bear the appropriate UL marking.
Air Filter (328)	"Wendell" Filter Fabric Model: Washable dry type media, 0.125" thick a) AM5491-21 b) NZ4981-21	Wendell Fabrics Corp., USA	31/10/2008	Oct 2013	UL File No. AJZV.R18254
Air Filter (331)	"AAF"5700 Disposable Panel Type Air Filter Model: 5700 Disposable Panel Type, 1" and 2" thick	AAF International, Louisville, USA	17/11/2008	November 2013	UL File No. AJZV.R2570
Air Filter (332)	"AAF" Frontline Air Filter Throw-away dry-type or adhesive coated pads or rolls, max. 2.0" thick a) Frontline Gold b) Frontline Blue, Type S and Type FG c) Frontline Green, Type S and FG	AAF International, Louisville, USA	15/12/2008	December 2013	UL File No. AJZV.R2570
Draco Air Filter Media (339)	"Viskon" Model: AJZV.R4937 "Draco BGD" throw-away, adhesive coated fiber glass air filter pads and roll media, max	Viskon-Aire Corporatio, USA	2/1/2009	January 2014	the filter shall be UL listed and bear the appropriate UL marking.
Air Filter (340)	Camfil Farr / Megalam Panel Filter - Throw-away, dry type air filter units/ Maximum 10 in depth, AJZV.R14563	Camfil Farr Group, Malaysia, PRC and USA	23/1/2009	January 2014	the units shall be UL listed and bear the appropriate UL Marking
Frontline Air Filter (341)	Goldmine / Dry-type, throw-away air filter unit "Pleated Panel Series", maximum depth 4 in. a) "Multi-Pocket Series", maximum depth 24 in. b) AJZV.R26138 /	Goldmine Company Ltd., Hong Kong	23/1/2009	January 2014	the filters shall remain UL listed and bear the appropriate identification markings

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Air Filter Units (342)	AAF / Throw-away, dry type air filter units: a) "Bioceel", max. 12 in. thick b) "Astrocel I HCX", max. depth 11 1/2 in. c) "AmAir 200E", 2 & 4 in. thick	AAF International, USA	29/1/2009	January 2014	the filters shall remain UL listed and bear the appropriate identification markings
Air Filter Pads (363)	Clarcor "Streamline - P, D1 and AM" Series Air Filter Pads / Throw away, dry type: a) Streamline - P, b) Streamline - DL, c) Streamline - AM / Thickness : Max. 2 inches	Clarcor Air Filtration Products, USA	29/4/2009	April 2014	the units shall be UL listed and bear the appropriate UL Marking
Air Filter Units (365)	Purolator / Throw away, dry type : Defiant Mark 80-D / Thickness ; As listed in UL Certifications Directory AJZV.R4138	Purolator Products Air Filtration Co. USA	4/5/2009	May 2014	the units shall be UL listed and bear the appropriate UL Marking
Air Filter Units (370)	Flanders-Precisionaire / Throw away, dry type a) Pre Pleat 40, b) Pre Pleat 62R, c) Alpha Cell, d) Precision Cell, e) Alpha Panel and Throw away, bag type f) Precision Pak	Flanders-Precisionaire Inc., USA	9/6/2009	June 2014	the units shall be UL listed and bear the appropriate identification Marking
(3) Air Handling Equipment					
Air Handling Equipment	ZEMAC - Sound Attenuator used in Combined Ventilation and Smoke Extraction System	ZEMAC Engineering Co. Ltd., Hong Kong (Formerly known as CEMAC Engineering Co. Ltd.,)	26/3/2003	January 2012	
Air Handling Equipment	NANO - Fotocide Health Booster Series Air Disinfection Unit	Environment Care Ltd.	7/7/2004	July 2009	
Air Handling Equipment	"Bio Fighter " Germicidal Violet Lights and "Sun-Pure" Air Purification Unit	Dust Free Breathe The Difference, USA	26/7/2004	July 2009	
Air Handling Equipment (74)	"EURO Air Sock" Used in Ventilating System	Supplier: DELTA Duct Systems Ltd	21/3/2005	March 2010	

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Air Handling Equipment (113) VAV Box	"Johnson Controls SDX Series" Variable Volume Box with Electric Heater	Supplier: Johnson Controls Hong Kong Limited	15/12/2005	December 2010	
Air Handling Equipment (146) VAV Box	"TROX" Variable Volume Box with Electric Heater	Supplier: CELEC(HK) Limited	24/7/2006	December 2010	
Air Handling Equipment (121) UV Air Sterilizer	"LUMALIER" UV Air Sterilizer used in Ventilating System UL listed models, ADPL;DRU and BLUC.	Supplier: Greenaire Limited	26/1/2006	January 2011	
Air Handling Equipment (122) UV Air Sterilizer	"LUMALIER" UV Air Sterilizer used in Ventilating System UL listed models, IUV-2S60-M4-LD, IUV-2S60-M4-BS, IUV 2S18-H1-LD, IUV-2S36-M2-LD (electronic ballast).	Supplier: Greenaire Limited	2/2/2006	January 2011	
Air Handling Equipment (123) Jetfoil Fan Silencer	"FLAKTWOODS" 100JMTS Jetfoil Fan Silencer used in Combined Ventilation and Smoke Extraction System.	Flakt Woods Ltd., U.K.	3/2/2006	December 2010	
Air Handling Equipment (209) Duct Mounted Attenuators	"Sargents" SILduct Duct Mounted Attenuators	Luen Wah Machine Welding Factory, PRC	8/6/2007	June 2010	
Variable Air Volume Box (310)	"SUN" VAV 5000 Series ; VAV-50E1 Series	SUNRISE Air-conditioning Equipment Ltd., Model No.: Series VAV-5000 and Series VAV-50E1	25/8/2008	1 August, 2011	

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Variable Air Volume Box (367)	"RSVAV" / Series TU, Series FP, Series UF / 1) Series TU - The basic unit casing is of galvanized steel sheet construction internally lined with fibreglass / elastomeric insulation. All control devices and components are enclosed in a galvanized steel enclosure external to the air stream., 2) Series FP - The basic unit casing is of galvanized steel sheet construction internally lined with fibreglass / elastomeric insulation. The unit incorporates a fan-motor assembly comprising a galvanized steel fan wheel and housing and a totally enclosed single phase motor. All control devices and components are enclosed in a galvanized steel enclosure external to the air stream, 3) Series UF - The basic unit casing is of steel construction internally lined with elastomeric insulation. All control devices and components are enclosed in a galvanized steel enclosure shielded from the air stream. Air grille fitted to the unit is of extruded aluminium. For fan-powered units, it incorporates a fan-motor assembly comprising a galvanized steel fan wheel and housing and a totally enclosed aingle ph	Royal Service Air Conditioning (Guangdong) Corp., PRC	13/5/2009		This assessment is subject to review by May 2014.
(4) Assessories for smoke extraction system (Ventilator / Limit Thermostat/ Fire Rated Duct/ Fire Rated Duct Coating)					
Limit Thermostat	Hi-Limit Thermostat - HLD (81)	Supplier : HRW Limited	16/6/2005		
Limit Thermostat (138)	"Johnson Corntols Series A260HK" Manual reset limit controls for electrical heating of ventilating systems	Supplier : Johnson Controls Hong Kong Limited	15/6/2006	June 2011	
Smoke Control Accessories (Silenser) (117)	"FLAKTWOODS" Silencer Used in Combined Ventialtion and Smoke Extraction System	Flakt Woods Ltd., UK	17/12/2005	December 2010	
Static Smoke Ventilator for Static Smoke Extraction System (179)	"BOVEMA" Static Smoke Ventilators for Static Smoke Extraction Systems Model : TMS-DG, TMS-D and TMS-DR	Bovema Konstrukties B.V., the Netherlands	6/2/2007	February 2009	

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Static Smoke Ventilator for Static Smoke Extraction System (185)	"BOVEMA" Ventilators for Static Smoke Extraction Systems Model : NKVD-PF and NKVD-PS	Bovema Konstrukties B.V., the Netherlands	1/3/2007	March 2009	
Smoke Ventilator (199)	"BOVEMA" Type BVR Ventilators For Static Smoke Extraction System	Bovema Konstrukties B.V., the Netherlands	18/4/2007	April 2009	
Durasteel Duraduct LT Duct System for Ventilation and Smoke Extraction System	Prefabricated "Durasteel 3DF2" panel comprising a cementitious core with perforated galvanized steel facing on both side	Intumex Asia pacific Pte. Ltd.	18/1/2008	January 2013	
Durasteel Single Skin Duct System for Ventilation and Smoke Extraction System	Rectangular duct fabricated from a single layer of 9.5mm thick "Durasteel 3DF2" panel comprising a cementitious core with perforated galvanized steel, 0.5mm thick, facing on both side (Horizontal duct system only)	Intumex Asia pacific Pte. Ltd., U.K.	20/3/2008	October 2012	
Actuator for Smoke and Heat Vent System (284)	"Simon RWA EA-KL800/600"	Simon RWA GmbH, Germany	17/6/2008	June 2012	
Fire Rated Duct	KNAUF "ARMAPLATE" Self Supporting Duct Work	KNAUF Hong Kong Ltd.	28/7/2004	June 2009	
Fire Rated Duct (240)	Caswell "Firesafe" Ductwork System, For thermal insulation, the duct system is to be wrapped with "Roxul 'Firesafe' Rockwool" with a nominal density of 160kg/m ³	C. Caswell Engineering Services Limited	25/10/2007	July 2012	
Fire Rated Duct (321)	Caswell "Firesafe" Ductwork System, a rectangular or circular steel duct system of proprietary design and construction. For thermal insulation, the duct system is to be wrapped with "Roxul 'Firesafe' Rockwool" with a nominal density of 160kg/m ³ .	C. Caswell Engineering Services Limited	14/10/2008	July 2012	This letter supersedes our previous ones of the same series dated 8.3.2004, 13.7.2004, 20.3.2007, 7.8.2007 and 25.10.2007.
Fire Rated Duct (333)	"Flamebar B.W. II" Fire Duct and Fire Enclosure System	Fire Spray International Ltd.	20/11/2008	February 2009	
Fire Rated Duct (336)	"Flamebar B.W. II" Fire Duct and Fire Enclosure System A steel duct system of proprietary design and construction, with a spray of "Flammebar B.W.11" fire proofing for fire protection and "Rockwool" mineral wool for thermal insulation.	Fire Spray International Ltd.	16/12/2008	April 2013	

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Fire Rated Duct Coating	"VERMIDUCT SYSTEM" for Air Handling Sheet-metal Duct	L & A FAZZINI Manufacturing PTY Ltd.,	23/8/2004	July 2009	
(5) Fire Resistant Cables					
Fire Resistant Cable	AEI - Mineral Insulated Cables	AEI Cables Limited, Durham, UK	3/5/1999	May 2009	
Fire Resistant Cable	Wrexham - Mineral Insulated Cables	Supplier: TYW Guan Group, o/b Humphrey Industries Ltd.	1/11/1999	September 2009	
Fire Resistant Cable	Firestop - "FS-90" Single-core Fire Resistant Cable (1.5 to 400mm.sq.)	Pirelli Cables Australia Limited, New South Wales, Australia.	3/2/2005	September 2009	
Fire Resistant Cable	Firestop - "FS-90" Multicore Fire Resistant Cable (1.5 to 400mm.sq.,4-core)	Pirelli Cables Australia Limited, New South Wales, Australia.	3/2/2005	December 2009	
Fire Resistant Cable(97)	"KEYSTONE FR 7211" Fire Resistant Cable	Dongguan Keystone Electric Wire & Cable Company Limited, Guangdong, PRC	26/9/2005	August 2010	
Fire Resistant Cable(98)	AEI" Firetec" Fire Resistant Cable and Mineral Insulation Cables	AEI Cables Lit., UK	29/9/2005	September 2010	
Fire Resistant Cable(107)	Datwyler "Pyrofil" Fire Safety Cables (Control Cables)	Datwyler AG, Switzerland	15/11/2005	December 2009	
Fire Resistant Cable(112)	"NoBurn Platinum" Fire Resistant Cables	Ventcroft Limited, U.K.	23/11/2005	November 2009	
Fire Resistant Cable(125)	Datwyler "Pyrofil" Fire Safety Cables (Power Supply Cables)	Datwyler AG, Switzerland	9/3/2006	December 2009	
Fire Resistant Cable(136)	"Samson" Fire Resistant Cables, SP3025 HT/LS	Sun Shine Metal Electrical Mfg., Shenzhen, P.R. China	9/6/2006	June 2009	
Fire Resistant Cable(139)	"WILSON FR-3S" Twfin Twisted Fire Resistant Cable	Enamelled Wire & Cable (Singapore) Pte. Ltd.	16/6/2006	April 2009	

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Fire Resistant Cable(142)	"Prysmian" Fire Resistant Cables (Formerly Known as Pirelli Cable)	Prysmian Cables & Systems Ltd., (Formerly known as Pirelli Cables Limited), Hants, UK.	22/6/2006	June 2011	
Fire Resistant Cable(164)	"Ramfirecro-F3" Fire Resistant Cables	Ramcro SRL, Italy	20/11/2006	October 2009	
Fire Resistant Cable(175)	"Firecel" SR112 (Twisted) Fire Resistant Cable	Manufacturer : Cavicel SpA, Ca ble Size : 1 x 2 x 1.5mm ²	9/1/2007	January 2012	
Fire Resistant Cable(176)	"Fire Defence" Fire Resistant Cable	Manufacturer : Ventcroft Ltd., U.K.; Cable Size : 2 x1.0mm ² , 3 x x 1.5mm ² and 4 x 2.5 mm ²	15/1/2007	January 2011	
Fire Resistant Cable(177)	"Samson" Fire Resistant Cables, SP1902 HT/LS and SP3202 HT/LS	Sun Shine Metal Electrical Mfg., Shenzhen, P.R. China	22/1/2007	December 2011	
Fire Resistant Cable(178)	"Kerpen" RE-2GHCI Twisted Pair Fire Resistance Cable	Manufacturer : KERPEN GmbH & Co. KG, Germany Cable Size : 1x 2 x1.5mm ²	6/2/2007	January 2011	
Fire Resistant Cable (180)	Cavicel SPA "Firecel" SR112 AND SR114H Fire Resistant Cables	Cavicel SpA	7/2/2007	February 2012	
Fire Resistant Cable(182)	"SEGURFOC" Fire Resistant Cables	Grupo General Cables Sistemas S.A., Spain	21/2/2007	June 2012	
Fire Resistant Cable (195)	"KEYSTONE" Fire Resistant Armoured Cable	Dongguan Keystone Electric Wire & Cable Company Limited, Guangdong, PRC	21/3/2007	March 2012	
Fire Resistant Cable (200)	"AEI" Firetec Multi-core and Armoured Fire Resistant Cables	AEI Cables Limited, Durham, UK	25/4/2007	April 2012	
Fire Resistant Cable (202 and 203)	"AEI" Firetec Fire Resistant Cables	AEI Cables Limited, Durham, UK	26/4/2007	April 2012	
Fire Resistant Cable(233)	"Firestop" FS-90 Fire resistant Cables (single core and multicore)	Prysmian Power Cables & Systems Australia Pty Ltd., Australia	11/10/2007	October 2012	
Fire Resistant Cable(234)	"AEI" Mineral Insulated Cables (light duty, single core and heavy duty)	AEI Cables Limited, Durham, UK	11/10/2007	October 2012	

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Fire Resistant Cable(247)	"DUCAB BICC" DUCAB - FR Fire Resistant Cables: Conductor size 1.5 to 35mm ² & 50 to 400mm ² inclusive, 2.3 & 4 core	Dubai Cable Company(Private) Ltd., U.A.E.	28/11/2007	November 2012	
Fire Resistant Cable(256)	Cableplus "Firepro" Fire Safety Cables 1.0mm ² to 16mm ² single core tested to BS6387: 1994 Cat. C, W, Z.	Cableplus (SuZhou) Technologies Co.,Ltd., PRC	15/2/2008	Feb 2013	
Fire Resistant Cable(287)	"Fire Force" fire resistant cables (conductor size: 1, 1.5, 2.5, 4mm ² ; 2, 3& 4 core)	Eland Cables Ltd., U.K.	20/6/2008	June 2013	
Fire Resistant Cable(304)	"Fireflix" - 1.5 mm ² , single core	Caledonian Cables Ltd., U.K.	5/8/2008	August 2013	
Fire Resistant Cable(307)	"DUCAB BICC" DUCAB - FR Fire Resistant Cables: Model: Ducab - FR SC Conductor size 1.5 to 10mm ² ; single core Board	Dubai Cable Company(Private) Ltd., U.A.E.	12/8/2008	August 2013	
Fire Resistant Cable (316)	"Irish Driver-Harris" (IDH) Kilflam Fire Resistant Cables, Model: Kilflam 1000, Kilflam 1200, Kilflam 2000 and Kilflam 3000	Irish Driver-Harris Co. Ltd., Ireland	22/9/2008	September 2013	tests for C, W and Z categories for cables Kilflam 1000 and Kilflam 1200 were done in steel conduit
Fire Resistant Cable (324)	MAS "Fireres" Fire Resistant Cables a) FRIC single core(conduit wiring); b) FRICXL single -core (surface power cable) c) 694nXFR n-core armour cable(n from 2-5 & 7-	Hebei Huatong Wire & Cable Manufacture Co., Ltd., P.R.C.	22/10/2008	October 2013	Superseded approval letter d.d. 5/12/2006 & 28/1.2008
Fire Safety Cable (318)	Cableplus "Firepro" Fire Safety Cables, Models: Cableplus "Firepro" Fire Safety Cables, Sizes: 1.0mm ² to 16mm ² inclusive, single core (exact sizes as detailed in LPCB Certificate No. 827a Issue No. 01)	Cableplus (SuZhou) Technologies Co.,Ltd., PRC	2/10/2008	February 2013	A valid " Certificate of Product Conformity" by LPCB shall be made available.
Fire Resistant Cable (332)	MAS "Fireres" "FR2C" Fire Resistant Cables Model: FR2C	Hebei Huatong Wire & Cable Manufacture Co., Ltd., P.R.C.	24/11/2008	November 2013	
Fire Resistant Cable (337)	Sigma Fire Resistant Cables Model: a) "EL-600MA" b) "ESL-600MA"	Sigma Cable Company (Pte) Ltd., Singapore	19/12/2008	December 2013	Valid "Certificate of Conformity" on compliance with SS 299: Part 1:1998 shall be made available on request.

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Fire Resistant Cable (369)	Nexans Fire Resistant Cables Model: a) Alsecure NX100 b) Alsecure NX400	Nexans Ireland Ltd., Ireland	2/6/2009	June 2014	a) As testing of large size single core cables in accordance with BS 6387 for Cat. C, W, Z is not practicable, assessment of such cables would only be made on project basis. b) The cables shall carry markings as detailed in the letter from Nexans Ireland Ltd. ref.: DD230109 of 23.1.2009 c) This assessment is valid only for the batches of cables named above manufactured by Nexans Ireland Ltd. up to 25.7.2008 at their production facility in Ireland.
Fire Resistant Cable (373)	WILSON / FR-3S / Plain, annealed, stranded copper conductor with mica tape layer and crosslink L.S.O.H. insulation (red and black) 2C x 1.0 mm ² to sC x 2.5 mm ²	Wilson Cables Private Ltd., Singapore	16/6/2009	June 2014	A valid Certificate of Conformity by PSB Singapore covering the cables shall always be available.
Fire Resistant Cable (381)	MAS "Fireres" / a) FRIC single-core (conduit wiring) fire resistant cables b) FRICXL single-core (surface power cable) fire resistant cables c) 694nXFR n-core armoured fire resistant cables (where n runs from 2 to 5 and 7 to 48)	Hebei Huatong Wire & Cable Manufacture Co., Ltd., P.R.C.	13/7/2009	July 2014	a) It is recognized the difficulties to carry out BS 6387 CWZ for large size single core cables. Therefore, these large size cables are acceptable for inter-connection within a cubicle or electrical panel only. Other applications should be submitted for consideration on project basis. b) A valid "Certificate of Conformity" on quality management system shall be made available on request. c) This letter supersedes our previous one of the same series dated 5.12.2006, 28.1.2008 and 22.10.2008 for the same brand of cables.
(6) Flexible Connectors					
Flexible Connector	PAL XDF 22/280 DEGREE C DUCT FABRIC HIGH TEMPERATURE DUCT CONNECTORS	Phenothern Asia Ltd.	26/11/2004	May 2009	

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TYPE	BRAND NAME / MODELS / DESCRIPTION	MANUFACTURER	ACCEPTANCE DATE	DATE TO REVIEW	Remarks
Flexible Connector(115)	COLAN - AF 406/ Silicon High Temperature Textaglass Textile for flexible connector of ductwork	COLAN Products Pty Ltd.	16/12/2005	November 2010	
Flexible Connector(116)	COLAN - AF 805/ Silicon High Temperature Textaglass Textile for flexible connector in V/S or Smoke Extraction System	Colan Products Pty Ltd.	16/12/2005	September 2010	
Flexible Connector(150)	PAL DF 16 Class "0" Duct Fabric Flexible Duct Connectors	Phenotherm Asia Limited	31/7/2006	July 2011	
Flexible Connector(171)	COLAN - AF 406/ FRN Textile Fabric used for air duct connector in ventilating systems	COLAN Products Pty Ltd.	22/12/2006	January 2011	
Flexible Connector(184)	Class "0" Ductflex Flexible Duct Connector for Use in Ventilation Systems	Guang Zhou Getai Development Co. Ltd., P.R.C.	1/3/2007	February 2010	
(7) Proprietary Made Fire/ Fire & Smoke Dampers					
Proprietary Made Fire Damper	Raymond Control System - Sure 100-10 4/7 spring return electric actuator (fail- safe on loss of power) for "AWV" Model TFD-75 Damper used in Smoke Control System	Raymond Control Systems (RCS)	31/5/1999	May 2009	
Proprietary Made Fire Damper	NCA - Series 600 (or referenced as model FSD-3V-S-57) Fire & Smoke Dampers	NCA Manufacturing Ltd.	25/4/2000	October 2010	
Proprietary Made Fire Damper	Howden Buffalo Calidair Division - Light Duty Type CFD/ CCD-02 Fire Damper with "Belimo" Electric Actuator	Belimo Automation (UK) Ltd.	21/8/2000	August 2010	
Proprietary Made Fire Damper	"GREENHECK" Fire and Smoke Damper	GREENHECK Fan Corporation, Schofield, USA	2/2/2005	February 2010	
Proprietary Made Fire Damper	"POTTORFF" Fire Damper and Combination Fire & Smoke Damper(94)	Pottorff Company Inc. USA	2/9/2005	August 2010	
Proprietary Made Fire Damper	"RUSKIN TFD 80" Heavy Duty Fire / Smoke Damper (S S) (95)	Ruskin, USA (Supplier: Applied Technology Intergration Ltd)	7/9/2005	December 2011	
Proprietary Made Smoke Damper	"TroX" Serise MSD Motorized Smoke Damper (108)	Trox (Malaysia) Sdn. Bhd.	16/11/2005	September 2010	

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TYPE	BRAND NAME / MODELS / DESCRIPTION	MANUFACTURER	ACCEPTANCE DATE	DATE TO REVIEW	Remarks
Proprietary Made Fire & Smoke Damper (109)	"Troxx" SFD Fire & Smoke Damper	Trox (Malaysia) SDN. BHD.	16/11/2005	November 2010	
Proprietary Made Fire Damper (132)	Laiser 9020G-G.I. frame and curtain, spring loaded fire damper (vertical & horizontal mounting) Laiser 9020GV-G.I. frame and curtain gravity operation, fire damper (vertical mounting)	Laser Resources (Asia) Co. Ltd.	9/10/2006	August 2009	
Proprietary Made Fire & Smoke Damper (132)	Laser 9010G-G.I. frame and blade type fire & smoke damper (vertical & horizontal mounting) Laiser 9010S-G.I. frame and stainless steel blade fire & smoke damper (vertical & horizontal Mo	Laser Resources (Asia) Co. Ltd.	9/10/2006	August 2009	
Proprietary Made Fire Damper	"RUSKIN TFD 80" Heavy Duty Fire and Smoke Damper (G I) (169)	Ruskin Company (Supplier: Applied Technology Intergration Ltd)	12/12/2006	December 2012	
Proprietary Made Fire Damper(186)	PREFCO - Multi-blasé Fire / Smoke Damper series 5000 with "Multi-Product" Actuator Model ST2000	Prefco air Control, Inc.	2/3/2007	January 2011	
Proprietary Made Fire Damper (192)	"Troxx" Series FSD, FSP & FSE Fire Shutter Dampers	Trox (Malaysia) Sdn.Bhd.	20/3/2007	March 2010	
Proprietary Made Fire Damper (201)	"RUSKIN" - IBD Curtain Type Fire Damper	Delta Pyramax Co. Ltd.	25/4/2007	April 2010	
Proprietary Made Fire Damper (205)	Advanced Air - series 0100 Curtain Type Fire Damper	Advanced Air (UK) Ltd.	11/5/2007	April 2012	
Proprietary Made Fire Damper (218)	"TANDA" TFD Series Curtain Type Fire Damper Model TFD-100 & TFD-200	Shenzhen Longgang Pingshan Jiangling Luen ming Manufacturing Factory, PRC	1/8/2007	August 2010	
Proprietary Made Fire & Smoke Damper (221)	"Laser" 9010G-G.I. frame and blade (vertical & horizontal mounting) Laiser 9010S-G.I. frame and stainless steel blade (vertical & horizontal Mounting)	Laser Resources (Asia) Co. Ltd., Hong Kong	29/8/2007	September 2012	

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TYPE	BRAND NAME / MODELS / DESCRIPTION	MANUFACTURER	ACCEPTANCE DATE	DATE TO REVIEW	Remarks
Proprietary Made Fire Damper (238)	"Laser" 9200 Series Curtin Type Fire Damper- a) 9020GV-G.I. frame and blade (with spring loaded housing); b) 9020G-G.I. frame and blade; c) 9020S-G.I frame and stainless steel blade ; d) 9020SS	Laser Resources (Asia) Co. Ltd., Hong Kong	17/10/2007	October 2012	
Proprietary Made Fire & Smoke Damper (243)	Ruskin Model FED36 Fire and Smoke Damper - Horizontal Mounting 3458 mm(W)X2438mm(H); Vertical mounting 3048mm(W)X2438mm(H)	Ruskin Co., USA or Thailand	9/11/2007	October 2012	
Proprietary Made Fire Damper (244)	"Prefco" (USA) 5500 E6-LPC Curtin Type Fire Damper-For vertical mounting c/w globe Model G 68°C fusible link (with UL mark)	Perfect Air Control Inc. (USA)	12/11/2007	June 2011	
Proprietary Made Fire Damper (245)	"Prefco" (USA) 5500 E4A Curtin Type Fire Damper-For vertical mounting c/w globe Model G 68°C fusible link (with UL mark)	Perfect Air Control Inc. (USA)	13/11/2007	June 2011	
Proprietary Made Fire Damper (248)	"Greenheck" DFD Curtin Type Fire Damper a)DFD-150 b)DFD-M150 c)DFD-210 d)DFD-M210	a) For DFD-150 and DFD-210 Greenheck Fan Corporation, USA b) For DFD-M150 and DFD-M210 Greenheck Khunsan, PRC	14/12/2007	June 2012	
Proprietary Made Fire & Smoke Damper (251)	"RUSKIN FSD60" Combined Fire & Smoke Damper (vertical & horizontal mounting); Max. Size (single-750Wx900H;Multi.- 3048Wx2438H); Actuator(Belimo"F5NF 230S","F5NF 24" or Honeywell"MS 4620F")	Ruskin Co., USA or Thailand	8/1/2008	July 2011	
Proprietary Made Fire & Smoke Damper (259)	"Greenheck" Fire & Smoke Damopers Series : a) F5DF-211 ; b) F5D-M211 Glavanised steel construction with blades with operated by actuator.	Manufacturer: a) 'Greenheck Fan Corporation, USA : b) Greenheck Khunsan, PRC	7/3/2008	June 2012	
Proprietary Made Fire & Smoke Damper (263)	"Actionair" Smoke/Shield PTC Series 501, 601 and 701 combined fire and smoke damper with electrical thermal release "Belimo" BAE72 (operating temperature <or = 69°C	Ruskin Air Management Ltd. U.K.	12/3/2008	March 2011	

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TYPE	BRAND NAME / MODELS / DESCRIPTION	MANUFACTURER	ACCEPTANCE DATE	DATE TO REVIEW	Remarks
Proprietary Made Fire Damper(Actuator(266))	Actuator Assemblies for "PREFCO" - Multi-blasé Fire / Smoke Damper series 5000 : Belimo- FSLF 230US, FSNF 230US, FSAF 230US; Honeywell- MS4620F, ML4115C, ML4115D, MS4709F and MS4809F;	Belimo, Honeywell, Siemens (Each actuator is to be housed in a galvanised steel enclosure insulated internally with rockwool of density 100kg/m ³)	28/3/2008	January 2011	
Proprietary Made Fire Damper (270)	"Safe-Air Dowco" Curtain Type Fire Damper Model: 150, 151, 300 & D150	Safe-Air of Illinois Inc., USA	17/4/2008	April 2012	
Proprietary Made Fire Damper (272)	"BSB" FD Series curtain type fire damper (Horizontal and vertical mounting)	BSB Engineering Limited, Kent, U.K.	18/4/2008	December 2012	
Proprietary Made Fire & Smoke Damper (Actuator(273))	Actuator Assemblies for "TroX" SFD Fire & Smoke Damper - Belimo "NMU230-S" and "AF230" in addition to BF 230+ZTPC-B Thermal protection Case (Already approved with the damper on 16.11.2005)	Trox (Malaysia) SDN. BHD.	22/4/2008	November 2010	
Proprietary Made Fire & Smoke Damper (275)	"ACTIONAIR" - Hot/ Shield Series 2501,2601 and 2701 Combination Smoke Management and Fire Damper & Associated Control Modes	Ruskin Air Management Ltd., U.K.	6/5/2008	May 2011	
Proprietary Made Fire & Smoke Damper (283) with actuator	"TroX" JFM Fire & Smoke Damper Model JFM-G-F and JFM-E-F "Belimo" FSLF, FSNF and FSAF series and "Rotork"	Trox (Malaysia) Sdn. Bhd.	16/6/2008 4/5/2009	July 2011	
Proprietary Made Fire Damper (293)	"SUSKIN" BIBD Series Curtain Type Fire Damper Model: DIBD 2, DIBD 2SS, DIBD 23 & DIBD 23SS	Ruskin Co., USA, PRC or Thailand	8/7/2008	July 2013	
Proprietary Made Fire & Smoke Damper (300)	"Safe-Air Dowco" Fire and Smoke Damper Model: 771, 772, 781 and 782 with frame collar of different forms	Safe-Air of Illinois Inc., USA	18/7/2008	July 2012	These dampers are not intended for smoke extraction system and staircase pressurization system.
Combination Fire and Smoke Damper (303)	"Lloyd" FSD-111-1 and FSD-111-2 vertical and horizontal mounting as listed in UL file EMME.R14128 and recommended by manufacturer.	Lloyd Industries Inc., USA	1/8/2008	August 2012	Fusible link : Model 'G' 68 degree C of Globe Technologies corporation.

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TYPE	BRAND NAME / MODELS / DESCRIPTION	MANUFACTURER	ACCEPTANCE DATE	DATE TO REVIEW	Remarks
Multi-blade Type Fire and Smoke Damper (380)	Gilberts / "Ductgard" / A combined fire and smoke damper comprising a galvanized steel frame with stainless steel interlocking blades and frame side seals	Gilberts (Blackpool) Ltd., UK	10/7/2009	July 2012	The dampers shall be permanently marked or stamped with label(s) which shall remain visible after it is fixed into position for the identification of its brand name and model
Curtain Type Fire Damper (382)	Actionair / FBL, FBH, FBC, FBO / Un-insulated galvanised steel folded blade fire damper comprising 0.7 mm thick G.I. interlocking folding blades encased in a 1.2 mm thick G.I. steel channel section frame. A locking ramp which is made of 1.5 mm thick G.I. sheet is provided to ensure the blade remained in position when the damper is closed. Other details of the damper construction are as detailed in tEST rEPORT nO. te 214030.	Ruskin Air Management Ltd., UK	15/7/2009	March 2014	The dampers are to be fitted with fusible links designed to operate up to a temperature of 69°C and approved by this department.
(8) Flexible Ducts					
Flexible Duct	"ALUDUCTP" Aluminium Flexible Duct	Sunwacork Insulation Materials Suppliers Ltd. H.K.	11/1/2005	September 2009	
Flexible Duct	PAL® Winflex 33i Flexible Air Duct for Ventilating Systems.(132)	Dongguan Juwun Rubber & Plastic Pds. Co. Ltd., P.R. China.	28/4/2006	February 2011	
Flexible Duct	PAL® Winflex 33Un-insulated Flexible Air Duct for Ventilating Systems.(149)	Dongguan Juwun Rubber & Plastic Pds. Co. Ltd., P.R. China.	31/7/2006	June 2011	
Flexible Duct	"Supaflex 13AP" Flexible Air Duct, diameter 150mm and 250mm c/w an insulation layer of glasswool sandwiched between an inner core and an outer vapour barrier.	Delta Duct Systems Ltd., P.R.C.	31/10/2007	November 2010	
Flexible Duct (297)	CSR "Stadiflex" Flexible Duct Diameter 75mm to 350mm, insulation thickness 25mm, density 24kg/m ³	CSR South East Asia Pte Ltd., Singapore	16/7/2008	July 2011	

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TYPE	BRAND NAME / MODELS / DESCRIPTION	MANUFACTURER	ACCEPTANCE DATE	DATE TO REVIEW	Remarks
Flexible Duct (317)	"ISODUCT" Flexible Duct for use in Mechanical Ventilation Systems, Model "Econoflex A-1 I25 AL"	Air Trade Centre Limited	30/9/2008	April 2012	
Flexible Duct (319)	"Supaflex 13AP" Flexible Air Duct for use in Ventilating System, Model "Supaflex 13AP" Flexible Air Duct, the duct comprises of an insulation layer of glasswool ("CSR KT 24", 25mm thick, 24 kg/m ³) sandwiched between an inner core of aluminium/polyester la	Delta Duct Systems Ltd., P.R.C.	6/10/2008	October 2013	No assessment was made on the density and toxicity of smoke generated by the product under fire.
(9) Energy Recovery Units					
(10) Smoke Fans					
Smoke Fan	Howden - Smoke Spill Fan for smoke Extraction Systems (1D 225S & 1D 200L4)	Messrs. Western Electric	7/9/2001	September 2011	
Smoke Fan(189)	"Shangfeng" DTF/ DTF(R) Axial Fan with "Brook Crompton" Motor for Ventilation and Smoke Extraction System	Zhejiang Shangfeng Industrial Holding Co., Ltd.	13/3/2007	March 2010	
Axial Flow Fan for Smoke Extraction System (285)	Nuair "Axus" Series Axial Flow Fan for Smoke Extraction System (Max. fan dia. 2,000mm)	Nuair Ltd., U.K.	20/6/2008	June 2011	

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TYPE	BRAND NAME / MODELS / DESCRIPTION	MANUFACTURER	ACCEPTANCE DATE	DATE TO REVIEW	Remarks
Axial Fan for Static Smoke Extraction System (296)	"Flakt Woods" JM Aerofoil H.T. Series as listed in the Appendix to BSRIA Performance Certificate No. C18421/1, Issue 3 of 11.6.2007 with temperature and time categories equal to or better than 250°C and 1 hour.	The Flakt Woods Group, U.K.	16/7/2008	June 2010	
Axial Flow Fan for Smoke Extraction System (286)	"Fantech" Smoke-spill Axial Fan Model APS, SS, RSS and SSM Series of size 315mm to 2,000mm diameter	Pty. Limited, Australia	23/6/2008	June 2012	
Centrifugal Fan for Smoke Extraction System (302)	"F.LLI Ferrari"FR Series	F.LLI Ferrari Ventilatori Industriali S.P.A., Italy	31/7/2008	August 2012	
(11) Smoke Curtains					
Smoke Curtain System (271)	Gelec "GIKI" automatic smoke curtains	BLE Smoke and Fire Curtains Ltd., UK	15/4/2008	April 2012	
Smoke Curtain System (279)	"BLE" (UK) SD60 Automatic Smoke Curtain	BLE Smoke and Fire Curtains Ltd., UK	4/6/2008	March 2011	
(12) Fire Resistant boards					
Fire Resistant Board	SUPALUX Fire Enclosure System for Ventilation and Smoke Extraction System Ductwork (155)	Supplier: Intumex Asia Pacific Pte. Ltd.	16/8/2006	August 2009	
Sheet metal Ductwork Protected by 15mm Thick "Promatect - H" Board (306)	a) for duct with longer side up to 1,000 mm; 0.8 mm thick; b) for duct with longer side from 1,000 mm to 2,500 mm; 1.0 mm thick; c) for duct with longer side from 2,500 mm to 6,000 mm; 1.2 mm thick; and also the maximum duct size:	Promat International (Asia Pacific) Ltd.	6/8/2008	1 March, 2011	This letter superced letter d.d. 16.1.2008.

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TYPE	BRAND NAME / MODELS / DESCRIPTION	MANUFACTURER	ACCEPTANCE DATE	DATE TO REVIEW	Remarks
Fire Resistant Board (334)	"Promatect-S" 6mm Fire Resistant Board for the Cladding of Steel Ventilation and Smoke Extraction Ductwork	Promat International (Asia Pacific) Ltd.	12/12/2008	February 2012	The system only meets the minimum requirement of 30 min insulation for smoke extraction system and is not suitable for use in situation where
(13) Fusible Links					
Thermal Fusible Link	"KK" 68.33 deg.C Fusible Link	Kam Kee Eng. Co. Ltd.	3/4/2001	April 2011	
Thermal Fusible Link	"EVERTOP" Rated fuse temperature at 69 degree C - USA	Supplier: EVER TOP Industrial Company	29/7/2004	July 2014	
Thermal Fusible Link (87)	"KW" 68.33 deg.C Fusible Link	K-Win Metal Works MFY.Co.	16/8/2005	August 2010	
Thermal Fusible Link (89)	"ACL" 68.33 deg.C Fusible Link	Fook Loog (HK) Ltd	17/8/2005	August 2010	
Electric-Thermal Link (124)	PHL' Electric Mccable Link	Anway Engineering Co. Ltd	9/3/2006	March 2010	
Thermal Fusible Link (127)	"Day-Impex" Frangible Glass Bulbs as Fusible Link, used in "Trolox JFM" Fire & Smoke Damper	Day-Impex Ltd., Essex England	24/3/2006	March 2011	
Thermal Fusible Link(133)	"Ruskin" Fusible Link used in Ruskin Fire Damper	Delta Pyramax Co. Ltd.	2/5/2006	May 2011	
Thermal Fusible Link (183)	"Actionair" Re-settable Thermal Release Cassette Used in "Actionair" Fire Damper	Supplier: Star Glory Technologies Limited	28/2/2007	February 2011	
Electro-Thermal Fusible Link (198)	Electro-thermal Link by S&R Product Inc. Model :ETL II	S&R Product Inc.	3/4/2007	June 2011	

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TYPE	BRAND NAME / MODELS / DESCRIPTION	MANUFACTURER	ACCEPTANCE DATE	DATE TO REVIEW	Remarks
Thermal Fusible Link (230)	"Ruskin" Fusible Link -MODAL FR155°F	Ruskin Company (Supplier: Applied Technology Intergration Ltd)	2/10/2007	October 2011	
Thermal Fusible Link	"BSB" 69 deg. C Gate Latch Fusible Link	BS B Engineering Services Ltd., U.K.	7/1/2008	Jan 2012	
Electro-Thermal Fusible Link (292)	"Ruskin" EFL155 Resettable Electric Fuse Link EFL155; Bimetallic resettable heat sensing device Temp. Rating 155deg. F (68.3degree C)	Ruskin Co., USA	4/7/2008	July 2012	For use with "Ruskin" FSD36 & FSD60 combination fire and smoke dampers.
Thermal Fusible Link (311)	"Globe" Fusible Link Model 'G', Item # 315155, 155°F (68°C), Underwriters Laboratories Certification File: JGIX.R1431	Globe Technologies Corp., USA	3/7/2008	September 2012	For use with "Laser" Series 9010 fire and smoke damper
Fusible Link (313)	"Globe" Model 'EA' Fusible Link, Item # 380155, 155°F (68°C), Underwriters Laboratories Certification File: JGIX.R1431	Globe Technologies Corp., USA	5/9/2008	October 2012	For use with "Laser" Series 9020 curtain type fire damper
(14) Insulations					
Elastomeric Insulation Material	Armacell 'Armaflex' - 19mm thick with colour "Grey" Class O Elastomeric Nitrile Insulation for Ductwork and Tubing for Ventilation Installation	Armacell Asia Ltd. (Formerly known as Armstrong Insulation Products manufactured at Panyu China)	23/11/2001	November 2011	
Insulation (accessories)	VAPASTOP TAPE 831 - adhesive aluminium foil tape for ventilation duct work	Precision Paper Coatings Pty. Ltd., CONDELL PARK NSW, Australia	16/8/2002	December 2009	
Insulation (Accessories) (277)	Foster 32-19 Duct Fas - Duct Sealant	Foster Products Corporation	8/11/2002	November 2012	
Insulation (Accessories)	Foster 30-80 - Vapor Safe Coating, Colour in White	Foster Products Corporation	12/11/2002	November 2012	

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TYPE	BRAND NAME / MODELS / DESCRIPTION	MANUFACTURER	ACCEPTANCE DATE	DATE TO REVIEW	Remarks
Insulation	KNAUF-Rock wool	Knauf Singapore Pte Ltd.	4/9/2002	May 2012	
Insulation	"Goodever PF" Phenolic Foam Insulation Material	Goodever Enterprise	18/2/2004	November 2009	
Insulation	"ISOPHEN" CFC Free Phenolic Foam Insulation	Isotherm Ltd. (Hong Kong)	16/3/2004	June 2009	
Insulation	"Johns Manville Spiracoustic Plus " Round Duct Liner Insulation	John Manville Corporation USA	22/3/2004	April 2009	
Insulation	"CAPAPHEN-K" Phenolic Foam Insulation Material	United Regent International Limited	1/11/2004	July 2009	
Insulation (76)	" EUROBATEX" Class 0 CFCs & HCFCs Free Flexible Elastomeric Close Cell Nitrile Rubber Insulation Material for Ductwork and Pipe-work for Ventilation Installation	Union Foam spa (Via dell'Industria 11 20040 Bellusco (Mi)Italy	31/3/2005	May 2009	
Elastomeric Insulation Material (82)	Class 0 "Isoline" Closed Cell Elastomeric Insulation	L' Isolante K-Flex s.r.l, Italy (Formerly known as L'Isolante Kaimann s.r.l, Italy)	20/6/2005	February 2009	
Insulation (91)	" FOCUS" free phenolic foam with normal density of 40 kg / M ³ . 25 mm thick and faced with a layer of reinforced aluminium foil laminate, "Sisalation 450' on one side with "PLIA911" adhesive of acetone based synthetic type.	Zhongshan Focus Insulation Material Factory	1/9/2005	May 2010	
Insulation (accessories) (101)	"EVO-STIK" INTUSTRIP - Compression Seals used for Ventilation Ductwork	EVODE Industries Ltd.	4/10/2005	August 2010	
Insulation (accessories)(102)	"ATC" Sandwick Air Duct Panel (Model:PD5020-80/80)	Supplier :Air Trade Centre Limited, Hong Kong	24/10/2005	September 2010	
Insulation (Rigid Insulated Pipe Support)	"OPS" Rigid Insulated Pipe Support	Supplier: Oxprime (International) Ltd., Hong Kong	8/11/2005	September 2010	
Insulation (106)	"PHENOTHERM TM " Phenolic Foam Insulation with Embossed Alloy Aluminium Foil Facing	Phenotherm Asia Limited	9/11/2005	August 2010	
Insulation (accessories) (114)	"COLAN" TTW 30 Glass Tape	Colan Product Pty.Ltd.	16/12/2005	September 2010	

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TYPE	BRAND NAME / MODELS / DESCRIPTION	MANUFACTURER	ACCEPTANCE DATE	DATE TO REVIEW	Remarks
Insulation (Pre-insulated Pipe)(118)	"RICWIL HI-GARD " Pre-insulate Chilled Water Piping System	RICWIL (Malaysia) Sdn.Bhd.	19/12/2005	December 2010	
Insulation (120)	"MAN SUI ISONOL" Phenolic Foam Insulation Material Sellular phenolic foam with aluminium foil facing	Man Sui Chemplas Co. Ltd.	20/1/2006	January 2011	
Insulation (130)	Owens Corning Fiberglass Insulation Product Material: Fiberglass all service duct wrap faced with Sisalaaion 450 duple-sided aluminium foil;having a density and overall	Owens Corning (China), Sanby Trading Co. Ltd.	21/4/2006	March 2009	
Insulation (135)	"DURKFLEX" Elastomeric Nitrile Insulation Material for Ventilatioon Installation (Thickness: 19mm)	Wuhan Dacheng Durkee Industry & Technology Co. Ltd., P. R. of (China)	8/6/2006	June 2011	
Insulation (144)	"DURKFLEX" Elastomeric Nitrile Insulation Material for Ventilatioon Installation (Thickness: 9mm and 13mm)	Wuhan Dacheng Durkee Industry & Technology Co. Ltd., P. R. of (China)	19/7/2006	June 2011	
Insulation (163)	"AFICO" Fiberglass Insulation with "FRK" Aluminium Foil Facing for HVAC System	Arabian Fiberglass Insulation Company Ltd., Saudi Arabia	18/10/2006	October 2011	
Elastomeric Insulation Material (165)	Armocell 'Armaflex' - Elastomeric Nitrile Based Insulstion Material for Ductwork and Pipework in Ventolatinn Installation, Thickness 6mm and 50mm, Class 0, having	Armocell (Guangzhou) Limited	29/11/2006	November 2010	
Insulation (Pre-insulated Pipe)(167)	"Lucky-PIP" Pre-insulation Pipe System	Link The Best Company Limited, Hong Kong	5/12/2006	December 2011	
Elastomeric Insulation Material (168)	"K-Flex ST" Class 0 Elastomeric Insulation Material for Ductwork or Pipework (Density 50-80 kg/m ³)	L'isolante K-Flex, Srl, Italy	11/12/2006	December 2010	
Insulation (170)	"PHENOTHERM" Phenolic Foam Insulation with "PALDSF818" Aluminium Foil Facing	Phenotherm Asia Limited	21/12/2006	January 2011	
Insulation (172)	"CSR Bradford" KT32 Glasswool Insulation with "Thermifoil 735" Aluminium Foil, 25mm & 50mm thick with density 32 kg/m ³	CSR Guangdong Glasswool Co.Ltd.	8/1/2007	January 2011	

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TYPE	BRAND NAME / MODELS / DESCRIPTION	MANUFACTURER	ACCEPTANCE DATE	DATE TO REVIEW	Remarks
Insulation (173)	"CSR Bradford" Glasswool Sectional Pipe Insulation with "Thermifoil 735" Aluminium Foil, 50mm thick with density 64 kg/m ³	CSR Guangdong Glasswool Co.Ltd.	8/1/2007	January 2011	
Insulation (174)	"CSR Bradford" KT24 Glasswool Sectional Pipe Insulation with "Thermifoil 735" Aluminium Foil, 50mm thick with density 24 kg/m ³	CSR Guangdong Glasswool Co.Ltd.	8/1/2007	January 2011	
Insulation (181)	"Megatherm" Phenolic Foam Insulation Material Model : "Megatherm" phenolic foam	Megatherm Insulation Limited, South Africa	21/2/2007	February 2010	
Insulation (194)	Class 0 "Aeroflex - TS/Aerocel - TS" Elastomeric EPDM Insulation Material for Ductwork and Pipework in Ventilation Installation	Eastern Polymer Industry Co, Limited, Thailand.	21/3/2007	March 2010	
Elastomeric Insulation Material (207)	' Armacell Armaflex' 6mm, 9mm, 13mm, 19mm, 25mm, 32mm, 40mm & 50mm thick Class 1 Elastomeric Nitrile based Insulation for Ductwork and Pipework in Ventilation Installation	Armacell (Guangzhou) Limited, P.R.C.	17/5/2007	May 2012	
Elastomeric Insulation Material (210)	' Armaflex' Class 1 Elastomeric Nitrile-based Insulation Material for Ductwork and Tubing in Ventilation System	Armacell (Guangzhou) Limited, P.R.C.	18/6/2007	July 2012	
Insulation (215)	"Kooltherm" Phenolic Foam Thermal Insulation , 20mm - 60mm thick with nominal density of 35kg/m ³	Kingspan Insulation Ltd., U.K.	12/7/2007	July 2012	
Insulation (217)	QuietR Acoustic Duct Liner- Type 200 -- A resin bonded fiberglass blanket faced on one side with arylc composed carbon black bounded fiberglass neil having a density and athickness of 32 kg/m3 and 25mm respectively.(For internal lining of ventilation duc	Owens Corning,USA	1/8/2007	1 August, 2011	
Insulation (220)	"PHENOTHERM" Phenolic Foam Insulation with "Antiblaze 990" Aluminium Foil Facing	Dongguan Juwun Rubber & Plastic Products Co., Ltd, PRC	13/8/2007	August 2012	
Insulation (224)	"Byucksan rockwool" Thermal Insulation	Byucksan Co. Ltd.,	20/7/2007	September 2012	

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TYPE	BRAND NAME / MODELS / DESCRIPTION	MANUFACTURER	ACCEPTANCE DATE	DATE TO REVIEW	Remarks
Insulation (225)	"GOODEVER PF" Phenolic Foam Insulation	Beijing Goodever Xinxing Building Material Co., Ltd, Shenzhen Branch, PRC	21/9/2007	March 2016	
Insulation (226)	"Karwin" Phenolic Foam with "Thermafioil" Aluminium Facing	Zhongshan Sanxiang Jianyuan Insulation Material Factory, PRC	28/9/2007	October 2010	
Insulation (228)	"Owens Corning" Fiberglass [®] Glasswool Blanket Laminated with FSK (Lamtec-R3035)	Owens Corning, China	24/9/2007	September 2012	
Insulation (229)	"Owens Corning" Fiberglass [®] Glasswool Board/Pipe Laminated with FSK (Lamtec-R3035)	Owens Corning, China	24/9/2007	September 2012	
Insulation (231)	"Owens Corning" Fiberglass [®] Glasswool Board/Pipe Laminated with DSF (Lamtec-763)	Owens Corning, China	4/10/2007	October 2012	
Insulation (232)	"Owens Corning" Fiberglass [®] Glasswool Blanket Laminated with DSF (Lamtec-763)	Owens Corning, China	4/10/2007	October 2012	
Insulation (235)	"P-flex ^(R) " Flexible Elastomeric Closed Cell Insulation Foam (Off-white Colour); Nominal density 80kg/m ³ ; thickness 9mm and 13mm	Dongguan Juwun Rubber & Plastic Products., Ltd., PRC	12/10/2007	October 2010	
Insulation (239)	Kingflex K0 Class"0" Elastomeric Closed Cell Insulation-Black colour; Density 65kg/m ³ ; Thickness 9mm, 13mm, 19mm, 50mm	Hebei Kingflex Insulation Co., Ltd., PRC	22/10/2007	October 2010	
Insulation (246)	Kingflex K0 Class"0" Elastomeric Closed Cell Insulation-Black colour; Density 65kg/m ³ ; Thickness 25mm, 32mm, & 40mm	Hebei Kingflex Insulation Co., Ltd., PRC	26/11/2007	November 2010	
Insulation (249)	"AFICO" Duct Liner, Type 320	Arabian Fiberglass Insulation Company Ltd., Saudi Arabia	31/12/2008	January 2011	
Insulation (Pre-insulated Pipe)(252)	"PUSAN" Pre-insulated Pipe (SPIROCLAD Pinsulated Pipe)	Bun Kee (International) Ltd., P.R.C. under licence from Sipromatic Engineers (PTE) Ltd. (Insulation and outer jacket only)	16/1/2008	October 2010	

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LIST OF ACCEPTABLE MATERIAL**

TYPE	BRAND NAME / MODELS / DESCRIPTION	MANUFACTURER	ACCEPTANCE DATE	DATE TO REVIEW	Remarks
Insulation (Pre-insulated Pipe)(258)	"PUSEN-PIP" Pre-insulated Pipe	Zhong Xing Group, P.R.C. under licence from Link The Best Company Ltd., H.K. (Insulation and outer jacket only)	28/2808	"December 2011	
Insulation (264)	"Phenotherm" Phenolic Foam Insulation density 80kg/m ³ & 120kg/m ³ . 25mm thick "PAL® DSF 818" with Aluminium Foil Facing	Dongguan Juwun Rubber & Plastic Products Co., Ltd, PRC	20/3/2008	March 2013	
Insulation (Pre-insulated Pipe System)(267)	"Lucky-PIP" CFC Free Pre-insulation Pipe (Aluminium Jacket)	Link The Best Company Limited, Hong Kong	31/3/2008	March 2011	
Insulation (268)	"ArmaproTECT" Nitrile Based Elastometric Insulation Material for Ductwork and Tubing - Thickness 13mm and 25mm; Density between 44 to 55kg/m ³ , with glass fabric reinforced aluminium foil facing on one side.(For external insulation)	Armcell (Guangzhou) Limited, P.R.C.	28/3/2008	March 2011	
Insulation (274)	"Superlon" Elastomeric Nitrile Insulation Material Nominal density 72kg/m ³ ; thickness 25mm	Superlon Worldwide Sdn. Bhd., Malaysia	24/4/2008	May 2011	
Insulation (Accessories)	Foster 32-14 Duct Fas - High Velocity Duct Sealant	Foster Products Corporation, USA	19/5/2008	May 2013	
Insulation (278)	"Durkflex-FG" Electromeric Nitrile Insulation Material density 65kg/m ³ ; thickness 25mm & 32 mm	Durkfee (Wuhan) Insulation Material Co., Limited, PRC	26/5/2008	April 2012	
Insulation (280)	"P-flex®" Class "0" Flexible Elastomeric Closed Cell Insulation Nominal density 80kg/m ³ ; thickness 9mm, 13mm, 19mm & 25mm	Dongguan Juwun Rubber & Plastic Products Co., Ltd, PRC	10/6/2008	June 2011	Superced (214) & (269)
Glasswool Insulation Board (282)	"Polyglass Polywool Ductliner" Glasswool Insulation Board (32kg/m ³ , 25mm)	Poly Glass Fibre Manufacturing Sdn. Bhd., Malaysia	16/6/2008	October 2010	
Insulation (288)	"Megatherm" Phenolic Foam Insulation Material with Aluminium Foil Facing	Tako Asia Limited with phenolic foam from Megatherm insulation limited, South Africa	23/6/2008	June 2011	

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TYPE	BRAND NAME / MODELS / DESCRIPTION	MANUFACTURER	ACCEPTANCE DATE	DATE TO REVIEW	Remarks
Insulation (Pre-insulated Pipe)(291)	"Lucky-PIP" CFC Free Pre-insulated Pipe (Grade 316 Stainless Steel Jacket)	Link The Best Company Limited, Hong Kong	4/7/2008	December 2011	
Insulation (Pre-insulated Pipe System)(294)	"Lucky-PIP" Pre-insulation Pipe System (Grade 304 Stainless Steel Jacket)	Link The Best Company Limited, Hong Kong	9/7/2008	"December 2011	
Insulation (Vapour Barrier for external Insulation Materials) (295)	"PAL® SSF 515" Class '0' Aluminium Foil for External Ductwork and Pipe Work	Phenotherm Asia Limited, PRC	10/7/2008	July 2012	
Insulation (Synthetic Rubber Based Adhesive) (305)	"PAL®" IA 811 and IA 911 - apply for fixing of insulation to ductwork and pipework	Phenotherm Asia Limited	5/8/2008	August 2013	
Insulation (Phenolic Thermal Insulation Material) (301)	Kooltherm / HCFC free, closed cell rigid phenolic foam insulation faced on one side with aluminium reinforced foil laminate by spray adhesive	Kingspan Tarec Industrial Insulation	31/7/2008	August 2012	
Thermal Insulation (312)	"Thermobreak" Thermal Insulation for HVAC System, a closed cell polyethylene foam insulation material with a reference colour of (black) charcoal grey, in roll or sheet form, reinforced with aluminium foil facing on one side and G60 acrylic PAS adhesive b	Sekisui Pilon Pty. Ltd., Australia	4/9/2008	September 2013	
Insulation of Phenolic Foam (322)	"PHENOTHERM" / A composite insulation material comprising "Phenotherm" CFC and HCFC free closed cell phenolic foam faced with "PAL DSF-White 818" (9-layers) double sided reinforced aluminium foil vapour barrier / 40 kg/m ³ ; 25 mm thick	Phenotherm Asia Limited, PRC	22/10/2008	October 2013	No assessment was made on the density and toxicity of smoke generated by the material under fire.
Insulation (Rockwool) (327)	"Bradford" Fibertex Rockwool Insulation material	CSR (GuangZhou) Building Materials Co., Ltd., PRC	29/10/2008	October 2012	Test Standard BS 476 Part 4 : 1970
Insulation (Air Duct Panel) (323)	PIP ALU / A 20 mm thick polyisocyanurate foam having a nominal density of 35 - 45 kg/m ³ faced on both sides with embossed aluminium foil of 60 - 80 microns thick. One of the aluminium surfaces is lacquer coated and the other is coated with an epoxy based	Poliuretanos S.A Camino Matamala s/n, Spain	22/10/2008	October 2012	

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LIST OF ACCEPTABLE MATERIAL**

TYPE	BRAND NAME / MODELS / DESCRIPTION	MANUFACTURER	ACCEPTANCE DATE	DATE TO REVIEW	Remarks
Elastomeric Nitrile Insulation Material (364)	Superion / 13 mm / A black colour flexible closed cell elastomeric nitrile foam insulation material having a density of 60 - 80 kg/m ³	Superion Worldwide Sdn. Bhd., Malaysia	29/4/2009	April 2014	no assessment was made on the density and toxicity of smoke generated by the material under fire condition.
Self-adhesive Foil Tape (366)	PAL AT38 and AT38W / a) AT38 - High strength aluminium foil (38 micron) coated on one side with permanent synthetic rubber resin adhesive b) AT38W - High strength aluminium foil (38 micron) with a white surface finish on the external side and coated on the other side with permanent synthetic rubber resin adhesive	Phenotherm Asia Ltd., PRC	4/5/2009	May 2014	no assessment was made on the density and toxicity of smoke generated by the material under fire condition.
Duct Fabric (371)	PAL ^R XDF 22/280°C / Black polymeric coated textile-glass material 680 g/m ² ; 0.5 mm thick	Phenotherm Asia Limited, PRC	11/6/2009	June 2014	no assessment was made on the density and toxicity of smoke generated by the material under fire condition.
Phenolic Foam Insulation Material (372)	CAPAPHEN-K / "CAPAPHEN-K" Phenolic Foam / CFC free phenolic foam with a nominal density of 40 kg/m ³ and laminated on one face with a double-sided aluminium foil	United Regent International Limited., PRC	11/6/2009	June 2014	no assessment was made on the density and toxicity of smoke generated by the material under fire condition.
Duct Liner Board (375)	Owens Corning / Owens Corning Fiberglass Duct Liner / Glasswool duct liner board covered on one side with Glass Cloth 7628	Owens Corning (China) Investment Co., Ltd., PRC	24/6/2009	June 2012	no assessment was made on the density and toxicity of smoke generated by the product under fire.
Sealant (376)	PAL IS918 / Class '0' / A synthetic rubber based compound with a dark grey to black colour	Phenotherm Asia Ltd., PRC	24/6/2009	June 2014	no assessment was made on the density and toxicity of smoke generated by the material under fire condition.
Aluminium Foil Tape (378)	INFUNG / AF-045 / High strength aluminium foil (30 Micron) coated on one side with acrylic adhesive	Jiangyin Bond Tape Technology Corporation, PRC	3/7/2009	July 2012	no assessment was made on the density and toxicity of smoke generated by the material under fire condition.
(15) Ventilating Fans					

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TYPE	BRAND NAME / MODELS / DESCRIPTION	MANUFACTURER	ACCEPTANCE DATE	DATE TO REVIEW	Remarks
Ventilation Fan (298)	"Panasonic" Ceiling Mounted Ventilation Fan Model: FV-24CMU1, FV-24CMD1, FV-24CMH1, FV27CMU1 and FV-27CMH1		18/7/2008	July 2011	
Duct Ventilator (329)	"Mitsubishi Electric" Duct Ventilator Model: VD-18Z4T2, VD-20Z4T2, VD-18ZP4T2, VD-23Z4T2 and VD-23ZP4T2		17/11/2008	November 2011	
Ventilation Fan (330)	"Panasonic" Low Noise Cabinet Ventilation Fan Model: FV-12NS2H, FV-15NS2H, FV-18 NS2H, FV- 20NS2H, FV-23NL2H, FV-25NS2H and FV-25NF2H		17/11/2008	November 2011	This letter supersedes our letter dated 18.7.2008.

All covering letters make 4 nos. copy and without contents except the covering letter belongs to fire / fire & smoke damper which shall

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