



KEMENTERIAN PEMBANGUNAN
NEGARA BRUNEI DARUSSALAM

BARANGAN YANG DILULUSKAN

Rujukan barangan yang diluluskan : (1696) KPN/ABC/C/8.0

Tarikh dikeluarkan : 29th March 2012

Tarikh Mansuh : 29th March 2017

Dengan ini diakui bahawa, D & E Sdn Bhd., Lot 1535, Spg 94, Jln Lorong Setia DiRaja, Sg. Duhon, Kuala Belait Industrial Area, Negara Brunei Darussalam telah mengikuti skim persijilan barangan Kementerian Pembangunan seperti keterangan di bawah ini :-

Skim Persijilan : Scheme 1
(refer certification procedures STD3/003
Issue No. 11, Revision 27th May 2008)
The use of these products subject to the user's
specific technical and contractual requirements

Barangan yang diluluskan : "K-FLEX"

Note:

1. Please refer to Schedule
2. Tarikh mansuh sehingga 5 tahun, jika barangan tersebut didapati tidak mengikut "Standard and Quality" maka kebenaran akan ditarik balik.

Tajuk dan Nombor Piawai (spesikasi) yang berkenaan terhadap persijilan yang dikehendaki : UNI EN ISO 9001 : 2008
Development, production and sale of pipes and sheets in foamed cured rubber for thermal insulation of pipes and surfaces. Trace of related accessories.

Issued by : CISQ - The Italian Federation of Management System Certification Bodies

Certificate No. : 260

Certification Validity : 28/11/2014


Certification Mark

BS 476 : Part 6 : 1989 ; BS 476 : Part 7 : 1997
Elastomeric Therma Insulation

Issued by : SIRIM QAS International

Certificate No. : FL000002

Certification Validity : 20/01/2013



[PENGIRAN ADNAN BIN PENGIRAN BADARUDIN]
b/p. Setiausaha Tetap (Teknikal & Professional)
Kementerian Pembangunan

Issued Date : 29/03/2012

SCHEDULE

(1696) KPN/ABCi/C/8.0
D & E SDN BHD.
"K-FLEX"

BRAND	CODE	DESCRIPTION	COUNTRY OF ORIGIN
K-FLEX	K-FLEX EC	TUBES AND SHEETS	ITALY/MALAYSIA
K-FLEX	K-FLEX ST	TUBES AND SHEETS	ITALY/MALAYSIA
K-FLEX	K-FONIK ST B	TUBES AND SHEETS ACOUSTIC	ITALY
K-FLEX	K-FONIK ST GK	TUBES AND SHEETS ACOUSTIC	ITALY
K-FLEX	K-FONIK GK	TUBES AND SHEETS ACOUSTIC	ITALY

K-FLEX ACCESSORIES

BRAND	CODE	DESCRIPTION	COUNTRY OF ORIGIN
K-FLEX	PVC RS 590 SHEET	self-rolling sheet with a smooth grey surface	ITALY
	PVC 200 type W ELBOWS	90° single-piece elbows in laminated plastic.	
	PVC type T	Laminated plastic single-piece T sections	
	PVC type SE 90° ELBOWS	Single piece 90° plastic sheet elbows	
K-FLEX	ALUMINIUM		ITALY
	ALU EMBOSSED R 200	Self-wrapping embossed protection sheet in rolls	
	BLECH MT-CU	99,5% PURE ALUMINIUM SHELL and 90° ELBOWS	
	CU 501	90° preformed segmented elbows with female-female ball swaged edges.	
K-FLEX	ADHESIVE TAPE		ITALY
	VINYL K-FLEX BAND	Flexible, robust and resistant to external agents, used for covering pipes insulated with elastomeric insulation or other materials.	
	GUTTAGENA PVC BAND	Twice the thickness compared to the previous range, it is ideal for finishing PVC	
	ANTI-CONDENSATION TAPE	Black, reinforced self-adhesive closed-cell elastomeric foam tape, with a	
	ECO ANTI-CONDENSATION TAPE	Green, reinforced self-adhesive closed-cell elastomeric foam tape (ECO),	
	COLOR ANTI-CONDENSATION TAPE	Self-adhesive, reinforced closed-cell elastomeric foam tape with COLOR SYSTEM coating and a disposable protective lining.	
	NA 310 TAPE	Rubber anti-condensation tape with embossed aluminium sheet.	
	REINFORCED ALU AR 107 TAPE	Reinforced self-adhesive tape.	
	BLACK ALU TAPE	Black aluminium self-adhesive tape for covering joints.	
	WHITE ALU TAPE	White aluminium self-adhesive tape for covering joints.	
	PVC AT 070 SEL-ADHESIVE TAPE	Black/grey PVC self-adhesive tape for covering joints.	
	PE INSULATION PACKING	Self-adhesive, closed cell wired foam PE packing, used to cover the seal flanges in air-conditioning ducts.	
	BITUMINOUS CONGLOMERATE INSULATION TAPE	Made from a mixture of synthetic rubber, bitumen and cork powder. It is ideal for preventing condensation forming on pipes. No further gluing is required because the tape is self-adhesive and sticks firmly to all surfaces.	



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"K-FLEX"

K-FLEX	COMPONENTS		ITALY
	KNIFE FOR CUTTING TUBES	Designed with a special grip to allow you to make longitudinal cuts in insulation tubes	
	KNIFE FOR MAKING 90° CUTS	specialist tool with an adjustable blade for making 90° cuts	
	ALUMINIUM ENDCAPPINGS IN ROLLS	Special endcappings in ribbed aluminum for sealing the ends of insulated pipes.	
	FASTENING PRODUCTS	Important for correctly fastening PVC and AL CLAD sheets.	
	PLASTIC RIVETS	WHITE and GREY rivets.	
	K-FIX	Galvanized steel installation hangar spike with a 50x50 mm base.	
	K-FLEX ADHESIVE DISPENSER	A useful accessory that controls flow and helps spread adhesives evenly on insulation surfaces, avoiding having to continuously dip the brush into the tin of adhesive.	
	K-FLEX GLUES	K-FLEX K 414, K 420 and K 425 glues have been specifically designed for use with K-FLEX elastomeric foam insulation material.	
	SPECIAL THINNERS FOR K-FLEX ADHESIVES	Improves the performance of the adhesives.	
K-FLEX	PAINTS		ITALY
	K-FINISH PAINT	K-FINISH is a water-based paint for coverings on internal and external installations insulated with K-Flex materials.	
	COLOR PAINT	Special paint for retouching the surfaces of COLOR coverings, scratched or damaged during installation.	
K-FLEX	K-FONIK SYSTEM		ITALY
	K-FLEX ST GK	Black elastomeric foam insulation.	
		Ease of application helps to cut down on installation costs.	
		Amongst the different combinations which make up the K-FONIK SYSTEM range, K-FLEX ST can also be coupled to sheets of high density rubber, designed to increase the effectiveness of the acoustic insulation.	



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		Green elastomeric insulation, produced for environments where, in case of fire, minimum toxicity is of the utmost importance. The product does not contain halogens and in the event of fire, gives off transparent, non-toxic fumes, harmless to people in the vicinity.	
	K-FLEX ECO		
	K-FONIK ST B	Rough elastomeric sheet of various thicknesses.	
		Also available in ECO version.	
K-FLEX	INSULATION SUPPORT		ITALY
	INSULATION SUPPORTS WITH AND WITHOUT COLLAR	K-FLEX ST INSULATING SUPPORTS Specifically designed to ensure a correct insulation thickness where joints are made. The PIR central section, which covers the whole circumference, is joined to two K-FLEX half-collars of insulating material, to ensure perfect continuity of the vapour barrier.	



APPENDIX 'A'

REF : APPROVAL OF K-FLEX TUBES AND SHEETS INSULATION FOR AIR CONDITIONING & REFRIGERATION INSTALLATION MANUFACTURED IN MALAYSIA AND ITALY

Brand Name :

- 1) K-FLEX EC – TUBES AND SHEETS
- 2) K-FLEX ST – TUBES AND SHEETS
- 3) K-FONIK STB – TUBES AND SHEETS
- 4) K-FONIK STGK – TUBES AND SHEETS
- 5) K –FONIK GK – TUBES AND SHEETS
- 6) K-FLEX ACCESSORIES
- 7) K-FLEX ADHESIVE TAPE
- 8) K-FLEX COMPONENTS
- 9) K-FLEX PAINTS
- 10) K-FONIK SYSTEM AND INSULATION SUPPORT -

Country of origin : K- FLEX Malaysia Sdn. Bhd
Lot 2752, Jalan Raja Nong,
Taman Klang Jaya 41200 Klang.
Selangor, Malaysia.
AND L'isolonte K-Flex SRL
Roncello (Mi)- Italy.


Product / Model : As per the attached lists

Quality Management System ISO : UNI EN ISO 9001:2008-IQNET

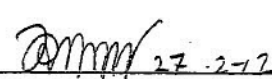
Test certificate and report from Independent Testing Body : SIRIM QAS International, Certificate of Compliance FM Approvals and Bureau Veritas

A technical presentation and performance test have been conducted and arranged by the supplier D&E Sdn. Bhd on 28th October, 2011 and attended by the representative from Building Services Section DME/PWD as per the attached attendance list with regard to the above products.

The Building Services Section Department of Mechanical & Electrical Services (DME)/PWD have no objection with the above products and suggested that the approval validity period of the above products to be five (5) years instead of based on the expiring date of the independent testing body. If there is any of the above approved product items be found not confirming to the standard and quality as submitted within the approval validity period above the approval will be withdraw.



Teo Seng Huat
Products & Registration
Building Services Section
Department of Mechanical & Electrical /PWD



DR.ROHANIYATI POKS DSP HJ MOHD SALLEH
Head of Building Services Section.
Department of Mechanical & Electrical /PWD