

CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

İŞİL MÜHENDİSLİK A.Ş
YAYALAR MAH. AKIN SOK. NO:18/1-2-3 PENDİK
İSTANBUL TURKEY

has been approved by Lloyd's Register Quality Assurance
to the following Quality Management System Standards:

ISO 9001:2008

The Quality Management System is applicable to:

**Design and Manufacture of Flexible Ventilation
Ducts and Duct Connectors**

Approval
Certificate No: IST6005569

Original Approval: 30 July 2009

Current Certificate: 20 July 2012

Certificate Expiry: 19 July 2015

Issued by: Lloyd's Register Gözetim ve Stt. for and on
behalf Of Lloyd's Register Quality Assurance Limited



001



T.C.
TÜRK PATENT ENSTİTÜSÜ

MARKA TESCİL BELGESİ


Marka No : 2009 70867 - Ticaret



Marka Sahibi : İŞİL MÜHENDİSLİK MAKİNE VE İNŞAAT SANAYİ
VE TİCARET ANONİM ŞİRKETİ
TÜRKİYE CUMHURİYETİ
Yayalar Mah. Akın Sk. No:18/1 Pendik 34909
İSTANBUL

Emtiası : 06
İlişiktir.

Markaların Korunması Hakkında 556 Sayılı Kanun Hükmünde
Kararnameye göre 30/12/2009 tarihinden itibaren ON YIL müddetle
18/05/2011 tarihinde tescil edilmiştir.


Mustafa DALAKIRAN
Enstitü Başkanı a.
Markalar Dairesi Başkanı

TÜRK PATENT [●] ENSTİTÜSÜ

Atilla GERÇEK
Markalar Dairesi
Şube Müdürü

DATE : 26.03.2013

We, **İŞİL ENGINEERING CO.**, declare that we produce our following product with the written specifications as standard and **İŞİL ENGINEERING CO.**, has been approved by Lloyds Register Quality Assurance to the Quality Management System Standards: **ISO 9001:2008 (Annex 1)***

FLEXIVA WIND

- Made of laminated aluminium foil both inner-outer surface and high tensile steel wire for heating ventilation and gas transition systems,
- Suitable for low and medium pressure atmosphere,
- Ability to press and twist,
- Air tight, resistant to tear and wear,
- Non-flammable,
- No cause of poisonous gas in case of fire.

Technical Specifications:

Diameter Range: 52 mm - 1000 mm (accordance with **EN 13180**)

Material: Laminated Aluminium Foil (7-12 μ thickness and tested chemically according to **DIN EN 57.-3** and tested mechanically according to **DIN EN 546-2 Part 3**)

Steel Wire (Cross-section diameter varies according to the duct diameter) is tested according to **EN 10270-1**)

Operating Pressure: Max. 5000 Pa (tested according to **EN 13180**)

Class: Non flammable M0.

Temperature Range: Between -30°C and + 250°C

Standard Package: 10 m.

Mch. Eng. Esra GÜRSOY
Production & Quality Manager



Mch. Eng. Cüneyt BAYRAK
General Manager Assistant



İŞİL MÜHENDİSLİK A.Ş.

Yayılar Mah. Akın Sok. No:18/1 34909 Pendik / Istanbul / TURKEY

T: +90 216 444 35 39 F: +90 216 307 13 70

www.flexiva.com.tr

DATE : 26.03.2013

We, **İŞİL ENGINEERING CO.**, declare that we produce our following product with the written specifications as standard and **İŞİL ENGINEERING CO.**, has been approved by Lloyds Register Quality Assurance to the Quality Management System Standards: **ISO 9001:2008 (Annex 1)***

FLEXIVA SKY

- Made of laminated aluminium foil both inner-outer surface and high tensile steel wire for heating ventilation and gas transition systems,
- Suitable for low and medium pressure atmosphere,
- Ability to press and twist,
- Air tight, resistant to tear and wear,
- Flame retardant,
- No cause of poisonous gas in case of fire.

Technical Specifications:

Diameter Range: \varnothing 52 mm - \varnothing 1000 mm (accordance with **EN 13180**)

Material: Laminated Aluminium Foil (7-12 μ thickness and tested chemically according to **DIN EN 57.-3** and tested mechanically according to **DIN EN 546-2 Part 3**)

Steel Wire (Cross-section diameter varies according to the duct diameter) is tested according to **EN 10270-1**)

Operating Pressure: Max. 5000 Pa (tested according to **EN 13180**)

Temperature Range: Between -30°C and +150°C (Flame Retardant)

Standard Package: 10 m.

Mch. Eng. Esra GÜRSOY
Production & Quality Manager



Mch. Eng. Cüneyt BAYRAK
General Manager Assistant

İŞİL MÜHENDİSLİK MAK.
VE İNŞAAT SAN. TİC.A.Ş.
Yayalar Mah. Akın Sokak No:18/1
Pendik - İSTANBUL
Tel:0216 444 35 39 Fax:0216 307 13 70
Pozisyon V.D. 468 007 2229

İŞİL MÜHENDİSLİK A.Ş.

Yayalar Mah. Akın Sok. No:18/1 34909 Pendik / İstanbul / TURKEY

T: +90 216 444 35 39 F: +90 216 307 13 70

www.flexiva.com.tr



CERTIFICATE OF REGISTRATION

The International Bureau of the World Intellectual Property Organization (WIPO) certifies that the indications appearing in the present certificate conform to the recording made in the International Register of Marks maintained under the Madrid Agreement and Protocol.

Ásta Valdimarsdóttir

Ásta Valdimarsdóttir
Head of the Operations Service
International Registries of Madrid and Lisbon
Brands and Designs Sector

Geneva, July 7, 2011

1 080 478

Registration date: **April 14, 2011**

Date next payment due: **April 14, 2021**

**IŞIL MÜHENDİSLİK MAKİNE VE İNŞAAT
SANAYİ VE TİCARET ANONİM ŞİRKETİ**

Yayalar Mah. Akin Sk. No:18/1

Pendik 34909

Istanbul

(Turkey).

Legal nature of the holder (legal entity) and place of organization: Joint-Stock Company, Turkey.

Name and address of the representative: TECHMARK PATENT VE DANIŞMANLIK HİZMETLERİ LİMİTED ŞİRKETİ, Sair Ahmet Kutsi Tecer Caddesi, No: 55/16 Merter, İSTANBUL (Turkey).

Indication relating to the nature or kind of mark: the words contained in the mark have no meaning.

List of goods and services - NCL(9):

- 6 Common metals and their alloys; metal building materials; transportable buildings of metal; materials of metal for railway tracks; non-electric cables and wires of common metal; ironmongery, small items of metal hardware; pipes and tubes of metal; safes; goods of common metal not included in other classes; ores.
- 17 Rubber, gutta-percha, gum, asbestos, mica and goods made from these materials and not included in other classes; plastics in extruded form for use in manufacture; packing, stopping and insulating materials; flexible pipes, not of metal.

Basic application: Turkey, 25.03.2011, 2011/24873.

Data relating to priority under the Paris Convention: Turkey, 25.03.2011, 2011/24873.

Designations under the Madrid Protocol: France, Spain.

Date of notification: 07.07.2011

Language of the international application: English

The process used does not allow in all cases the exact reproduction of all the different shades of colors



Flexiva
Ventilation Systems

PROCES-VERBAL DE CLASSEMENT DE REACTION AU FEU D'UN MATERIAU

Selon l'arrêté du 21 novembre 2002 relatif à la réaction au feu des produits de construction et d'aménagement
Laboratoire pilote agréé du Ministère de l'Intérieur (arrêté du 05/02/59, modifié)

N° RA12-0293

Valable 5 ans à compter du 29 août 2012

Matériau présenté par : ISIL MÜHENDISLIK MAKINE VE INSAAT
SAN. TIC. A.S.
Yayalar mah. Akin sok. no. 18/1
34909 PENDIK / ISTANBUL
TURQUIE

Marque commerciale : FLEXIVA ARTIST RUBBER

Description sommaire :
Gaine de ventilation avec isolant composée de parois constituées de bandes d'aluminium (7 µm) et de bandes de polyester (12 µm), d'un isolant contrecollé à base de caoutchouc et de charges présenté sous forme de bandelettes d'épaisseur 3 mm juxtaposées les unes sur les autres avec un recouvrement de 50 %, soit une épaisseur totale de 6 mm.

Masse surfacique mesurée des parois (avec recouvrement) : environ 70 g/m².

Épaisseur nominale des parois (sans recouvrement) : 21 µm.

Masse volumique nominale de l'isolant : 55 kg/m³.

Coloris : aluminium (parois) et noir (isolant).

Nature de l'essai : Essai par rayonnement avec joint simulé
Essai par rayonnement

Classement : **M1**

Durabilité du classement (Annexe 2 – Paragraphe 5) : Non limitée a priori.
compte tenu des critères résultant des essais décrits dans le rapport d'essais N° RA12-0293 annexé.

Ce procès verbal atteste uniquement des caractéristiques de l'échantillon soumis aux essais et ne préjuge pas des caractéristiques de produits similaires. Il ne constitue donc pas une certification de produits au sens de l'article L 115-27 à L 115-32 et R115-1 à R115-3 du code de la consommation modifié par la loi n° 2008-776 du 04 août 2008 article 113.

Champs-sur-Marne, le 29 août 2012

**Le Technicien
Responsable de l'essai**

P.O. Partiel Bonhomme



Franck GOGUEL

**Le Chef du laboratoire
Réaction au Feu**



Nicolas ROURE

Sont seules autorisées les reproductions intégrales du présent procès-verbal de classement ou de l'ensemble procès-verbal de classement et rapport d'essais annexé.

CENTRE SCIENTIFIQUE ET TECHNIQUE DU BATIMENT

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

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

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



REPORT

1162599

EKOTEKS

REPORT NUMBER:	1162599
RECEIPT DATE:	22.12.2011
ISSUE DATE:	30.12.2011
BUYER NAME:	-
CLIENT NAME:	BEŞEL BASIM SAN.TIC.LTD.ŞTİ.
ADDRESS:	Perpa İş Mrk. A Blok Kat:6 No:547 34834 Şişli İSTANBUL
CONTACT PERSON:	ALPER TOKER

SAMPLE DESCRIPTION:	Alüminim foil
SAMPLING:	Not Specified
ORDER NUMBER:	-
ARTICLE NUMBER:	-
END-USE:	-
CARE LABEL:	-

REQUIRED TESTS	RESULT	COMMENTS
MICROBIOLOGICAL TESTS		
Antibacterial Activity (<i>Staphylococcus Aureus</i>)	-	
Antibacterial Activity (<i>Salmonella Typhimurium</i>)	-	
No requirement was given. This test was performed between 22.12.2011 – 30.12.2011.		

REMARK: This report can not be reproduced except in full, without written approval of the laboratory. The results given in this report belong to the received sample. Original samples are kept for 3 months and all technical records are kept for 5 years unless otherwise specified. The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95 %. Tests marked (*) in this report are not included in the DAP Accreditation Schedule for this Laboratory.

Belkis Avcı
Supervisor

Controlled by
Canan Ş. Abakuş

Sevim A. Razak
Technical Manager

Page 1 of 3



EKOTEKS LABORATUVAR VE GÖZETİM HİZMETLERİ LTD. ŞTİ.
Esenyurt Firuzköy Bulvarı No:29 34325 Avcılar İstanbul/ TÜRKİYE
Tel: 00 90 212 676 78 66 Fax: 00 90 212 695 2031
e-mail: info@ekoteks.com web: www.ekoteks.com



Cert. No: 0108248