



LAPI LABORATORIO PREVENZIONE INCENDI S.p.A.
 I-59100 PRATO - Loc. La Querce - Via della Quercia, 11
 Tel. +39 0574 575320 - Fax +39 0574 575323
 e.m.a.i.l: lapi@laboratoriolapi.it
 w.e.b s.i.t.e: w.w.w.laboratoriolapi.it



- ORGANISMO NOTIFICATO DIRETTIVA PRODOTTI DA COSTRUZIONE 89/106 CEE 1988
- ORGANISMO NOTIFICATO DISPOSITIVI PROTEZIONE INDIVIDUALE DIR. 89/686 CEE
- ORGANISMO NOTIFICATO DIRETTIVA NAVALE MED 96/98 EC
- MEMBRO EGOLF e UNIFER
- RICONOSCIUTO USCG ADMINISTRATION
- RICONOSCIUTO SNCF FERROVIARIO
- RICONOSCIUTO CESIFER
- AUTORIZZAZIONE BHF CALIFORNIA
- AUTORIZZATO MINISTERO INTERNO DM. 26.3.85
- ACCREDITATO ACCREDIA N. 0086
- AUTORIZZAZIONE ENAC - ENTE NAZIONALE AVIAZIONE CIVILE CIT 1013/L
- RICONOSCIUTO MED 96/98 EC - BUREAU VERITAS - DNV - LLOYD'S REGISTER
- PROVE SU AUTOVEICOLI AI SENSI DELLA DIRETTIVA 95/28 CE



RESISTENZA AL FUOCO

Spettabile
FLAMENTEK LIMITED
 Fox Farmhouse, Shadingfield,
 Beccles, Suffolk
 NR34 8DD (United Kingdom)

Prato, 21/04/2011
 Rif. 513/11/AC

In riferimento alle Vs. richieste, Vi rimettiamo in allegato ns. Rapporto di Prova in doppia lingua (italiano/inglese), contenente i risultati delle prove effettuate su Vs. materiale:
With reference to your order, please find enclosed our Test Report in double language (italian/english), containing the results of the tests effected on your material:

Denominazione commerciale <i>Trade name</i>	Metodo di prova <i>Test method</i>	Rif. Laboratorio <i>Laboratory Ref.</i>
WATERBORN (EX. KVADRAT HOLDING)	UNI 9175: 2008 Reazione al fuoco mobili imbottiti <i>Reaction to fire of upholstered products</i>	544/11



Nota: Prova effettuata su ipotesi di mobile imbottito (Tessuto fornito dal Richiedente - Imbottitura fornita dal Laboratorio).

Note: *Test effected on a upholstered piece of furniture hypothesis (Fabric supplied by the Sponsor + Filling supplied by the Laboratory).*

Distinti saluti,
 Best Regards

LAPI S.p.A.

 dr. Massimo Borsini
 Resp. Certificazione e
 Divisione Trasporti

RAPPORTO DI PROVA NO. 544.0UN0101/11

Test Report no.

METODO DI PROVA: UNI 9175: 2008

Test method

DENOMINAZIONE DELLA PROVA: Reazione al fuoco mobili imbottiti
Description of the standard Reaction to fire of upholstered products

RICHIEDENTE: FLAMEN TEK LIMITED
Sponsor Fox Farmhouse, Shadingfield, Beccles, Suffolk
NR34 8DD (United Kingdom)

DENOMINAZIONE DEL MATERIALE: WATERBORN (EX. KVADRAT HOLDING)
Denomination of the material

DATA RICEVIMENTO CAMPIONI: 13/04/2011
Date of the sample supply

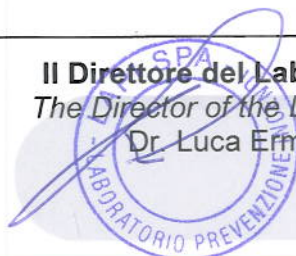
Nota: Prova effettuata su ipotesi di mobile imbottito (Tessuto fornito dal Richiedente +
Imbottitura fornita dal Laboratorio).

Note: Test effected on a upholstered piece of furniture hypothesis (Fabric supplied by the
Sponsor + Filling supplied by the Laboratory).

- Questo Rapporto di Prova è costituito da / This Test Report consists of:
 - no. 3 pagine (compresa la presente) / no. 3 pages (including this one).
 - no. 2 allegati / no. 2 annexes.
- I risultati riportati in questo Rapporto di Prova si riferiscono esclusivamente al materiale sottoposto a prova fornito dal Richiedente (rif. codice Laboratorio no. 544/11). Un campione del materiale è stato restituito al Richiedente siglato dal Laboratorio.
The results reported in this Test Report refer exclusively to the material submitted to test and supplied by the Sponsor (re. Lab. code no. 544/11). A sample of the material marked by the Laboratory has been given back to the Sponsor.
- Questo Rapporto di Prova, valido esclusivamente per il materiale provato, non è rilasciato ai sensi degli art. 8 e 10 del D.M. 26.06.84 e D.M. 03.09.01
This Test Report is valid solely for the material tested, it is not issued according to art. 8 and 10 of D.M. 26.06.84 and D.M. 03.09.01
Non è rilasciato ai sensi degli art. 8 e 10 del D.M. 26.06.84 e D.M. 03.09.01
It is not issued according to art. 8 and 10 of D.M. 26.06.84 and D.M. 03.09.01
Il D.M. 03.09.2001 pubblicato nella G.U.R.I. serie generale n.242 del 17 Ottobre 2001 modifica ed integra il precedente D.M. 26.06.84.
The D.M. 03.09.2001 published in G.U.R.I. serie generale n.242 of 17 October 2001 amends the preceding D.M. 26.06.84.

Prato, 21.04.2011

Il Direttore del Laboratorio
The Director of the Laboratory
Dr. Luca Ermini



1 / 3

Rapporto di Prova no. **544.0UN0101/11**
 Test Report no.

METODO DI PROVA / TEST METHOD
UNI 9175

Materiale / Material: -----

COMPONENTE COMPONENT	N. SERIE PROVETTE SPECIMENS SERIES N.	ESITO PROVE PER I VARI TEMPI DI INNESCO (IN SECONDI) TEST RESULT FOR THE APPLIED IGNITION TIMES (SECONDS)		
		20	80	140
materiale imbottito filling	1°	POSITIVO POSITIVE		
	2°	POSITIVO POSITIVE		
manufatto completo complete item	1°	POSITIVO POSITIVE		
	2°	POSITIVO POSITIVE		
	1°		POSITIVO POSITIVE	
	2°		POSITIVO POSITIVE	
	3°			
	1°			POSITIVO POSITIVE
	2°			POSITIVO POSITIVE

Metodo di preparazione UNI 9176: D
 Method of preparation UNI 9176: D

CLASSE / CLASS
1IM
 (Uno i emme)
 (One i emme)

Note / Notes:

- Lato esposto: indicato dal Richiedente.
- Side in view: indicated by the Sponsor.

- L'IMBOTTITURA IMPIEGATA DAL LABORATORIO, E' COSTITUITA DA UNA SCHIUMA POLIURETANICA ESPANSA FR CON DENSITA' 30 kg/m³ DELLA DITTA OLMO S.p.A., DI CLASSE 1 IM.
 - THE FILLING USED HAS BEEN SUPPLIED BY THE LABORATORY; IT IS MADE OF AN EXPANDED POLYURETHANE FLAME RETARDANT FLEXIBLE FOAM WITH DENSITY 30 kg/m³ BY OLMO S.p.A., BELONGING TO CLASS 1 IM.

QUESTO RAPPORTO DI PROVA NON E' RILASCIATO AI SENSI DEGLI ART. 8-10 DEL D.M. 26.06.1984 E D.M. 03.09.2001.

THIS TEST REPORT IS NOT ISSUED ACCORDING TO ART. 8 AND 10 OF D.M. 26.06.84 AND D.M. 03.09.01.



S.p.A. LABORATORIO PREVENZIONE INCENDI
 Legalmente riconosciuto - Autorizzato dal Ministero dell'Interno

Data Prova
 Test Date
20/04/2011

L'Operatore
 The Operator
 Gerardo Trezza



DESCRIZIONE DEL MATERIALE

Description of the material

Aspetto: tessuto di colore marrone.

Appearance: brown fabric.

Composizione (*): 85% Poliestere - 15% Poliuretano.

Composition (): 85% Polyester - 15% Polyurethane.*

Spessore / Thickness (*): 1.0÷2.0 mm. - Peso dichiarato / Declared weight (*): 800 g/m².

Peso verificato dal Laboratorio / Weight obtained by the Laboratory: ≈ 1070 g/m².

Trattamento ignifugante / Flame retardant treatment (*): Duraflam-Duracote® by Fabric Flare Ltd

Referenza cliente / Client reference (*): KV0095.10 – 21217 (Kvadrat Holding)

Colore / Colour (*): Brown.

Lato esposto / Side in view (*): indicato dal Richiedente / Indicated by the Sponsor.

Lotto di produzione / Production batch (*): "Sample stock" c/o lo stabilimento / The factory:
FLAMEN TEK LIMITED - (United Kingdom).

(*) - Informazioni fornite dal Richiedente / Information supplied by the Sponsor.

PREPARAZIONE E CONDIZIONAMENTO

Preparation and Conditioning

Il materiale è stato sottoposto al metodo " D "

Il materiale è stato condizionato come prescritto dal metodo applicato.

The material has been submitted to the preparation method " D "

The material has been conditioned before testing as prescribed by the method in object.

PROCEDIMENTO DI PROVA

Test Procedure

La prova è stata eseguita secondo il metodo **UNI 9175**.

L'imbottitura impiegata, fornita dal Laboratorio è costituita da una schiuma poliuretana espansa FR con densità 30 kg/m³, di CLASSE 1 IM. L'imbottitura è stata sottoposta a (80±5) °C e (80±5)% UR per 72 ore, dopo le quali è stata condizionata in atmosfera standard a (20±2) °C e (65±5)% UR per più di 24 ore prima della prova.

*The test has been carried out according to the method **UNI 9175**.*

The filling used has been supplied by the Laboratory and consists of an expanded polyurethane flame retardant flexible foam with density 30 kg/m³, belonging to CLASS 1 IM.

The filling has been stored for 72 hours at (80±5) °C and (80±5)% RH, after which period it has been conditioned in standard atmosphere at (20±2)°C and (65±5)% RH for more than 24 hours.

VALUTAZIONE DEI RISULTATI

Judgement

Sulla base dei risultati ottenuti e relativamente ai campioni forniti dal Richiedente, al materiale in esame è attribuibile la

On the basis of the obtained results and referring to the samples supplied by the Sponsor, the material is assigned to

CLASSE / CLASS - 1 IM

di reazione al fuoco / of reaction to fire.

Il Direttore del Laboratorio
The Director of the Laboratory
Dr. Luca Ermini





LABORATORY TESTS REQUEST

to send back to LA.P.I. filled in one for each specimen



Responsible Person to contact : MICHAEL WOLFINDEN Page 1/2

TEST REQUEST HEADING (full address): <u>FLAMEN TEK LIMITED, FOX FARMHOUSE, SHADINGFIELD, BECCLES, SUFFOLK, NR34 8DD</u>	INVOICE HEADING (full address): <u>FLAMEN TEK LIMITED, FOX FARMHOUSE, SHADINGFIELD, BECCLES, SUFFOLK, NR34 8DD</u>
---	--

COMMERCIAL NAME OF THE ARTICLE¹⁾:
'WATERBORN' (EX. KVADRAT HOLDING)

Technical data of the specimen²⁾: (see annexed sheet for stratified and composite materials)

Composition (%): 85% POLYESTER, 15% POLYURETHANE
 Appearance: FAUX SUEDE FABRIC Colour: BROWN
 Thickness (mm): 1.0/2.0 MM Weight (g/m²): 800g/m² Density (kg/m³):
 Possible fire retardant treatment: DURAFLAM - DURACOTE

The specimen is Isotropic Anisotropic
 The specimen usually composes a side in view (Yes/~~No~~): YES
 The two sides are identical (Yes/~~No~~): YES

If the two sides are not identical, identify which of the two must be tested:

End use of the article: (CURTAIN, WALL, FLOOR, CEILINGS, etc...) UPHOLSTERY
 Laying of the article (if stuck specify the type of glue g/m²):

REQUESTED TESTS ON THE SPECIMEN :^{3) 5)} <u>UNI 9175</u>	IN ACCORDANCE TO SPEC. N.³⁾ <u>CLASS I IM</u>
	REQUEST FOR MEASUREMENT UNCERTAINTY (IF REQUIRED IT WILL BE ANNEXED TO THE TEST REPORT ⁴⁾): YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>

NOTES ON THE SPECIMEN (POSSIBLE DEROGATIONS³⁾): N/A

TO BE FILLED ONLY IN CASE OF TRASPORTATION FIELD TESTS : N/A

SAFETY DATA SHEET	N°.....
TECHNICAL DATA SHEET	N°.....
BATCH	N°..... Date.....

Date
8/4/11

Stamp and signature of Responsible
[Signature]

Notes (to be read to fill this form):

- The commercial name of the article represents the exact name that will be written on the Test Report . It has to be univocal and match exactly to possible names written on the specimen. LA.P.I reserves itself the right to not accept specimen whose identification is unclear or ambiguous.
- Technical data reported below will be written on the Test Report as indicated by the reference specification. The side to be tested has to be clearly identified, marking it in a suitable way if possible.
- List the tests to perform and their reference methods. If the tests have the purpose to verify the matching of a specimen to a specification, it is useful to mention it in this field and to enclose a copy of the specification. If not specified, we assume the request refers to the latest valid edition of the specification. Indicate in this field possible derogations to the method or supplementary procedures to apply during the test. Every derogation and/or supplementary procedure will be referred and described on the Test Report. IN METHODS EXPECTING A PRELIMINARY TREATMENT OF THE SPECIMEN, INDICATE ONLY IF YOU DON'T WANT THOSE TREATMENTS TO BE PERFORMED ON THE SAMPLE.
- In case UNI EN ISO 3386 "Resistance to compression of low density materials" has to be effected, the material has to be sent to the Laboratory not before 72 hours from its production.
- The evaluation performed by the Laboratory does not involve the approval of the product either by the Laboratory or by the Accreditation Body
- The "Declaration of Measure uncertainty" will be annexed to the Test Report if the test method is under Sinal accreditation and includes a Declaration of conformity.

ALLEGATO ...02... a Rapporto di Prova n. Sua 111
ANNEX to Test Report n.

controllato da/checked by



ft **flamentek limited**
fire prevention consultants
fox farmhouse shadingfield
beccles suffolk NR34 8DD

phone | fax: 01502 575533
e mail | info@flamentek.co.uk



The undersigned
MICHAEL WOLFINDEN

in his/~~her~~ capacity of legal representative of the
Company FLAMENTEK LIMITED
declares that the sampling named 'WATERBORN'

and sent to be tested

was taken from the production batch n°
SAMPLE STOCK

c/o the factory
(indicate the address)

on (day:) (month:)
..... (year:)

safety sheet n° (to be annexed with
stamping).....

N/A

technical data sheet n° (to be annexed with
stamping).....

Date 8/4/11

Signature M. Wolfinden

