CTBA

cofrac ESSAIS
LABORATOIRE ACCREDITE SOUS LE N° 1-0197

Paris, the 28th October 2004

TESTS REPORT
n° E 49.04-092/4.01

Purpose: Tests results on finishing performances on **Zebrano fil EB sable mat teinte 479 – Ref. échantillon : ZEBRANO 479 SABLE**

DEMANDER : **OBERFLEX**
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The technician responsible for the tests

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(This test report is containing 4 pages)

The tested samples are available to the enquirer for two months from the mailing of the test report. After this date, they cannot be returned for any reason.

This test report testifies to the characteristics of the sample submitted for testing, but does not prejudge the characteristics of similar samples.

Only **the whole** copy of the report is permitted.

I. TESTS PURPOSE

Samples were delivered to the finishing furniture department to test mechanical, physical and chemical performances :

CHEMICAL CHARACTERISTICS
15 - Resistance to staining
(Food products, chemical products, cleaning products, ...)

MECHANICAL CHARACTERISTICS
12 - Resistance to impact ball (ball of 324 g)
6 - Resistance to abrasion
14 - Resistance to scratching
13 - Resistance to cracking under stress

II. TESTS METHODS

The tests were carried out in accordance with

- The standard NF EN 438-2 (August 1991).

III. SAMPLES DESCRIPTION [1] :

Laboratory Reference CTBA : **04-092/4**

Zebrano fil EB sable mat teinte 479 - Ref. échantillon : ZEBRANO 479 SABLE

FINISHING PROCESS (1)

Characteristics	
PRODUCT Finishing type Support Supplier *Réf : supplier*	**OBERFLEX** **Mélaminé** **Collé sur Agglo 19 mm densité 693 kg/m3** **/** **/**
PROCESS	
CURING	**Stratification std**
Manufacturing reference	**1035750**
Applied on	**12/07/2004**

[1] By the terms of the customer.

IV. DATE OF SAMPLES RECEPTION: 21/07/2004

CONDITIONING BEGINNING: 28/07/2004.

V. RESULTS

15 – Resistance to staining (Test carried out on the 27/08/2004)
Realised with dispensation n° 02 49 023 : Using of Hydrogen peroxide 20% instead of 30%

Staining agents	QUOTATION
COLD FOOD PRODUCTS - 20min	
Citric acid 10 % (B method - Heat)	4
PHARMACEUTICAL PRODUCTS – 10min	
Hydrogen peroxide 20%	5
OTHER PRODUCTS	
Acetone – 24 hours	5
Shoe polish – 10min	4
Sodium hydroxide – 10min	5

12 - Resistance to impact ball - ball of 324 g (Test carried out on the 14/09/2004).

Cracks for every falling height: From 10cm

6 - Resistance to abrasion (Test carried out on the 23/08/2004)

Initial Point (average)	=	**217**	**cycles**
Loss of mass for 100 cycles	=	**45**	**mg**
Average abrasion resistance	=	**550**	**cycles**
			(Average of 3 specimens)

Loss of mass of zinc plate for 500 cycles : **130mg** (indicative data)

14 - Resistance to scratching (Test carried out on the 24/08/2004)

Scratch = **4 Newton(s)** *(Average of 3 specimens)*

13 - Resistance to cracking under stress (Test carried out on the 30/09/2004)

Quotation from 5 to 1 (after cooling) : **1**