

Test report on Taber abrasion resistance of surfaces

Applicant Company: **KEMICHAL srl, via dell'artigianato 2, Trebaseleghe (PD)**

Part concerning Sample

Sample's arrival: 05.10.2006

Tested Product: **Mixed varnish system for parquets**

Painting system: 2 coats 120 g/m² basecoat PU143CNS, catalyzed 50% with C1370I
+ 1 coat 120 g/m² acrylic top-coat 1527 C15/20 gloss, catalyzed 20% with C1683.

Test support : Venered Juglans support

Samples (type and misure) : Nr. 5 mm 100 x 100 x 7.

Surface: Smooth

Reference Regulation	UNI 9115
Author	Commission "furniture"
Title:	Tests on surfaces' varnishes. Behavior of surface to wear abrasion "TABER"

Part concerning Test

Date of test: 10.10.2006

Operators: Enzo Morandi – Observers: Alessio Degli Innocenti, Ugo Boddi

Lab temperature: 23°C / Humidity: 48%

Instrument: Taber Tester of Abrasion: Abraser 5131 + Precision Analytic Balance.

Kind of Abrasive Abrasive paper strips for top-coats (mm 12x160), grain 180

Additional weights=Load 500 gr

Room Conditions: Before starting test: 72 hours in atmosphere 23°C – 50% of humidity

Products and results			
Name of sample	RA	GA	Level of test
Mixed varnish system for parquet	440,552	237,31	5

Explanations The levels of test are from **5** (the best) to **1** (the worst). WN. The level of this test arises from RA (abrasion resistance = numbers of revolutions to break the PV film) if you apply more PV, the level grows up. The GA (the grade of wear) is the removed quantity each 100 revolutions in milligrams (it doesn't change).