

## Test report on adhesion by dynamometric pull-off test

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/m<sup>2</sup> basecoat PU143CNS, catalyzed 50% with C1370I  
+ 1 coat 120 g/m<sup>2</sup> acrylic top-coat 1527 C15/20 gloss, catalyzed 20% with C1683.

Test support : Veneered Juglans support

Samples (type and misure) : Nr. 4 mm 50 x 64 x 7.

Surface: Smooth, transparent

<b>Reference Regulation</b>	<b>UNI 9240</b>
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Title:	Determination of Varnish adhesion on surface by pull-off test.
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### Part concerning Test

Date of test: 23.10.2006

Operators: Enzo Morandi & Alessio Degli Innocenti

Lab temperature: 23°C / Humidity: 50%

Instrument: Dynamometer ATS faar TC1000

Transom transfer speed 3 mm/min

Room Conditions: Before starting test: 72 hours in atmosphere 23°C – 50% of humidity (ISO554)

### Products and results

Name of sample	Ø head	Medium load N	Resistance to break MPa
<b>Mixed varnish system for parquet</b>	<b>22</b>	<b>355,2</b>	<b>0.935 Mpa</b>

#### Explanations

In the most of cases the support (veneered panel) splits apart, instead the varnish detaches from substrate. This is due to the fact, that the interior resistance of panel is lower than the resistance between support and the applied varnishing product.