

### PHYSICAL PROPERTIES

One of the greatest developments in timber flooring over the past two decades has been the introduction of pre-finished products. Pre-finished relates to the timber having already received sanding and coating. Traditionally this process needed to be completed onsite after installation at great expense, inconvenience and loss of time.

At Harmony Timber Floors we take pride in our belief that the surface finish on our boards is not only the toughest in the market for wear and tear but also totally free of imperfections for a truly superior finish.

We achieve this by only using quality German lacquers specially formulated for the timber market. These are applied in 8 separate coats and contain aluminium oxide for superior wear and abrasion resistant. At Harmony we also add an additional ninth anti-scratch coat to help ensure the longevity of our floor. These lacquers are applied in specialty formulated climate controlled rooms to prevent contamination of dust and other particulars. Finally we use a U.V curing system to ensure even and effective drying leaving a surface finish we call Mirror Touch.

### The Following Technical & International Standards are Met

Test	Standard	Classification
Sample		Anti Scratch
Gloss Level	DIN 67530 / 60f	48-50 Units
Abrasivity 833	DIN 68861 TL 2 500 Gram Wheel	TP 150 Cycles
Cross-Cut Test	DIN 53151	GTO - Very Good
Metal Marks / Scratches	Steel Wool Test	No Scratches / No Marks
Scratch Resistance	Hamberger Planner	29 Newton - Very Good
Hardness	Bosch Top	2.0 Newton - Very Good

#### Technical Data Sheet

##### Miraphen® UV-Top Coat "Anti-Scratch"

Art.No.: 163-0X00107 (available in various gloss various)

**General Info:** UV-curing Top Coat for roller application on parquet and veneer floors with target of making a significant improvement in the scratch resistance of pre-finished parquet. The resistance of "Anti-Scratch" to scratches and sanding marks caused by hard dirt particles and sand is, when compared to conventional UV-Top Coats, a manifold higher!

**Miraphen® UV-Top Coat "Anti-Scratch"** does not show any abrasive effect toward whatever is working on the surface - making it the perfect coating for our everyday needs! In contrast to anti-abrasive Top Coats, "Anti-Scratch" can be sanded and is therefore easy to re-coat. "Anti-Scratch" not only has a very good scratch resistance, but also a high transparency so that application on dark wood types (tropical wood) is not a problem.

"Anti-Scratch" corresponds to DIN 4102, B1 non-readily ignitable as well as DIN 68861, 1B, chemical resistant. In most cases, the lacquer technical details (ie scratch resistance, chemical resistance) are far more superior to that of conventional 2-component PUR lacquers.

**Miraphen® UV-Top Coat "Anti-Scratch"** is free of solvents and is especially environmental friendly. **Miraphen® UV-Top Coat "Anti-Scratch"** is applied with smooth hard rubber rollers. In order to reduce roller marks, it is recommendable to reverse the direction of the dosing roller. Immediately after application, gelled at a belt speed of: 15m/min with 1 Hg lamp (80 watts) or with • 15m/min with 2 Hg lamps (80 watts) completely cured. Special settings with higher reactivity are also available. As a precautionary measure, we recommend wearing rubber gloves and protective glasses.

9 Coats of Klumpp Aluminium Oxide Anti Scratch Build Up with Hardener

