

## Technical Data Sheet

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

*Art. Group:* 163

*General Information:* UV-curing Top Coat for roller application on parquet and veneer floors with extremely high scratch resistance

*Qualities:* **Miraphen® UV-Top Coat "Anti-Scratch"** was developed with the 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! **"Anti-Scratch"** has not only a very good scratch resistance, but also a high transparency so that application on dark wood types (tropical wood) is not a problem.

**Miraphen® UV-Top Coat "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 (i.e. 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.

*Treatment:* **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

*Applied quantity:* approx. 8-12 g/sqm per application

*Viscosity:* 20°C: ~ 255 sec., 4mm DIN cup  
30°C: ~ 190 sec., 4mm DIN cup

*Shelf life:* 6 months in original, unopened canister.

*Dangerous Goods Classification:*

Please notice our actual Material Safety Data Sheet  
Free of heavy metal, formaldehyde and insecticides/pesticides.

*Klumpp Coatings manufactures premium quality finishing materials for use in controlled environments utilizing suitable application technologies. It is the user's responsibility to verify product compliance with all applicable regulations or permits before proceeding with use. The user must always pre-test finishing products to verify suitability to the desired use before proceeding with any application. Manufacturer makes no warranties, express or implied, including (but not limited to) warranties of merchantability and fitness for particular purposes. Manufacturer will not be liable for any incidental, consequential or special damages or losses derived, directly or indirectly, from or as a consequence of purchaser's use of this product. Performance data is based upon laboratory testing conducted by Klumpp Coatings as applied under ideal laboratory conditions. Since substrate, environment and application are all significant factors in actual product performance, this information should serve only as a general guide and customers should conduct appropriate performance testing on production substrate samples to verify suitability to the desired use. (July 2009)*