

## Technical Data Sheet

### Miraphen<sup>®</sup> UV-Top Coat, „Anti-Scratch“ for PVC

*Art. no.:* n.a., available in glossy or matt

*General Information:* UV-curing top coat for roller coater application on PVC-floorings with extremely high scratch resistance.

*Qualities:* **Miraphen<sup>®</sup> UV-Top Coat, „Anti-Scratch“ for PVC** was developed with the goal in mind to make a significant improvement in the scratch resistance of pre-finished parquet with the required elasticity which is needed for use on PVC.

The resistance of **„Anti-Scratch“** to scratches and sanding marks caused by hard dirt particles is, compared to conventional UV-top coats, a manifold higher!

**Miraphen<sup>®</sup> UV Top Coat „Anti-Scratch“ for PVC** does not show any abrasive effect so that a daily use in living areas and no interference of the production process from any abrasive ingredients can take place.

**Miraphen<sup>®</sup> UV-top coat, „Anti-Scratch“ for PVC** corresponds to DIN 4102, B1, heavy inflammable as well as DIN 68861, 1B, chemical resistance. The chemical resistance is in most cases far more superior to that of conventional 2-component-PUR lacquers.

**Miraphen<sup>®</sup> UV-top coat, „Anti Scratch“ for PVC** is solvent free and especially environmental friendly.

*Treatment:* **Miraphen<sup>®</sup> UV-top coat, „Anti-Scratch“ for PVC** is applied with a smooth hard rubber roller. For the curing of colourless UV coatings Hg-lamps with 80-120 W/cm are common. For coloured systems a combination of Ga- and Hg-lamps is recommended.

Due to different construction types of the lamps the final power range varies between different manufacturers. If necessary the reactivity of the coating system will be adapted to the customers needs.

Specific information about the necessary curing energy [mJ/cm<sup>2</sup>] is not given because of the different results you obtain when using different types of UV measurement equipment. If required by the customer the measuring has to be done with the measurement equipment of the customer to get a reasonable result.

As a precautionary measure we recommend wearing rubber gloves and protective glasses.

*Applied quantity:* approx. 6-8 g/sqm

*Viscosity:* Brookfield 20°C ~0,4 - 0,5 Pas

*Shelf life:* 1 year in original, unopened canister.

*Dangerous Goods Classification:*

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

*Klumpp Coatings produces premium quality coatings materials that are manufactured 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 pretest 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.(02/2009)*