

Technical Data Sheet

Miraphen® UV-Sealer, anti-abrasive

Art. Group: 161

General Information: UV-curing roller Sealer for roller coater application with extremely high abrasion resistance for parquet and veneer floors.

Qualities: **Miraphen® UV-Sealer, anti-abrasive** was developed especially for use on extreme abrasion resistance lacquer surfaces. The formula was chosen so that, beside the excellent abrasion resistance, a high measure of transparency is given, making the application on dark woods (tropical wood) without a problem. The following examples explain the abrasion resistance:

<u>Example (anti-abrasive)</u>	<u>Example (non-antiabrasive)</u>
10 gr/qm (UV)- Primer	10 g/qm (UV)- Primer
40 gr/qm UV-Putty/Sealer	40 g/qm UV- Putty/Sealer
45 gr/qm UV-Sealer, ceramic	45 g/qm UV- Sealer
8-10 gr/qm UV-Top Coat	8-10 g/qm UV- Top Coat

~ 100 g/qm total amount

~ 100 g/qm total amount

Abrasion

1) ASTM, CS 17 (500 g/wheel):

1) ASTM, CS 17 (500 g/wheel):

⇒ > **25.000 cycles**

⇒ **ca. 2.000-3.000 cycles**

2) EN 438 (DIN 68861)
S33 (500 g/wheel):

2) EN 438 (DIN 68861)
S 33 (500 g/wheel):

⇒ **ca. 3.500 cycles**

⇒ **ca. 150-250 cycles**

Miraphen® UV-Sealer, anti-abrasive was developed so that even after months of storage, no settling of anti-abrasive substances can be observed.

Miraphen® UV-Sealer, anti-abrasive corresponds to DIN 4102, B1, non-readily ignitable as well as DIN 68861, 1B, chemical resistant, and is free of solvents and environmentally friendly.

Treatment:

Miraphen® UV-Sealer, anti-abrasive is applied with a smooth, hard rubber roller on surfaces previously treated with Miraphen UV-(Hydro) Primer.

Immediately after application, gelled at a belt speed of

15m/min with 1 Hg-lamp (80 watts)

Important: **Miraphen® UV-Sealer, anti-abrasive** can not be sanded!

Afterwards, work may continue with Miraphen UV-Top Coat with complete curing of the total lacquer surface at 12m/min with

3 Hg lamps (80 watts).

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

Applied quantity: Depending on the need, approx. 25-45 g/sqm

Viscosity: 30°C: ~ 65-75 sec., 6mm 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.

Klump 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 Klump 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)