

WEARMAX[®] Transparent

Technical Information

WEARMAX[®]

High Performance Ceramic Coating by pematex

1 PROVEN QUALITY

- Slip resistance R10/DIN 51130 | 36+ according to BS 7976
- Sliding friction coefficient according to DIN EN 13893: 2002: $\mu > 0.45$
- M1 emissions test for the Scandinavian countries
- Tested abrasion resistance according to prEN 15468: 2013 complies with BK 21-31 and BK 32-34
- Tensile strength according to ÖN EN 1542: 1999 09 01
- High resistance to chemicals and disinfectants according to ÖNORM A 1605-12
- Emission and fire behavior according to EN ISO 9239-1- „WEARMAX[®] - High Tech Floor Sealer with Ceramic Components does not adversely affect the original classification of the fire behavior of the floor covering.“



2 PROPERTIES

Base	A) WEARMAX[®] Uni Primer (pre-primer for porous open-pored floor coverings) – optional B) WEARMAX[®] Ceramic (base varnish with ceramic particles) C) WEARMAX[®] Top Coat
Colour	transparent
Density	A) WEARMAX[®] Uni Primer 20° C 1,06 g/cm ³ B) WEARMAX[®] Ceramic 20°C 1.25 g/cm ³ C) WEARMAX[®] Top Coat 20°C 1.05 g/cm ³
Consistency	liquid
Processing conditions	- Minimum 15°C floor and room temperature - Maximum 26°C floor and room temperature - Relative humidity 55%; recommended > 65% - Material temperature min. 18°C
Mixing ratios	A) WEARMAX[®] Uni Primer 3,500 ml base varnish B) WEARMAX[®] Ceramic 3,000 ml base varnish + 300 ml water + 350 ml hardener C) WEARMAX[®] Top Coat 4,000 ml base varnish + 400 ml hardener
Pot life	Approx. 1-2 hours depending on the temperature
Application	Nylon sponge rollers or hydro-flow rollers
Consumption	A) approx. 50-55 m ² / container B) approx. 50-55 m ² / container C) approx. 50-55 m ² / container
Drying time until revision	approx. 3 hours per operation
First use	Carefully walkable after 8 hours
Final hardness	Final chemical hardness after 7-9 days
Workability	In original packaging and in proper storage within 12 months
Storage conditions	Cool, dry and sealed at a normal temperature between 5° C and 30° C
Moisture-sensitive	Yes
Frost-sensitive	Yes
Marking	GHS07
Environmental/occupational	see current Safety Data Sheet

3 PREPARATION OF THE BASE LAYER



The surfaces of the floors to be sealed **must** be free of any substances which may act as release agents (e.g. waxes, fats, etc.) and in particular must be free from old coatings. Elastic floors must be thoroughly cleaned and wooden floors must be sanded ready for sealing.

For porous, strong absorbent floor coverings we recommend a pre-primer of the substrate with WEARMAX® Uni Primer (consumption approx. 50-55 m² / container) to avoid system knock-over. The quality of the substrate preparation determines the quality of the final surface to a special degree.

4 PROCESSING

WEARMAX® should only be used indoors.

The system is always applied in 3 operations (if required, recommended for porous, absorbent floors, the flooring should be additionally pretreated with WEARMAX® Uni Primer):

A) Stir up WEARMAX® UniPrimer:

If required (recommended for open-pored, absorbent floors), the flooring can also be pre-treated with WEARMAX® Uni Primer.

B) Stir up WEARMAX® Ceramic:

By means of the drill and plastic paddle for at least 5 minutes before processing with the addition of 300 ml of water and 350 ml of hardener. No sediment must remain at the bottom of the container. Stir briefly before each application. Apply WEARMAX® Ceramic in one go: Subsequently spread the mixture evenly by means of a T-bar (sponge roller) and paint roller (hydro-flow roller). Always empty only as much ceramic mixture on the floor as you can process in a short time. After application of the ceramic mixture allow the treated area to dry for at least 3 hours.

C) Stir up WEARMAX® Top Coat:

After approx. 3 hours of drying time of the preceding WEARMAX® Ceramic, the WEARMAX® Top Coat of the desired degree of gloss can be applied in. Add the hardener to the WEARMAX® Top Coat base varnish while stirring, and stir for at least 3-5 minutes. Then apply evenly and let dry for another 3 hours.

5 SUITABLE CLEANING AGENTS

Any type of pH-neutral cleaner is suitable. All floor care products should be avoided.

6 PACKAGING FOR SHIPMENT

A) WEARMAX® Uni Primer

3,500 ml base varnish



B) WEARMAX® Ceramic WEARMAX® Hardener

3,000 ml base varnish

350 ml hardener

Mixing ratio:

3,000 ml + 350 ml hardener + 300 ml water



C) WEARMAX® Top Coat WEARMAX® Hardener

4,000 ml base varnish

400 ml hardener

Mixing ratio:

4,000 ml + 400 ml hardener



7 SPECIAL INSTRUCTIONS

Please pay attention to our current safety data sheet. Clean the tools with water. Note the batch pressure. Only use products with similar batch pressure. The hardened floor sealant is predominantly chemical resistant. Dyes such as e.g. hair dyes, colored disinfectants or plasticized products such as vehicle tires, chair castors and carpet underlays can lead to irreparable discoloration of the floor sealant.

Likewise, for possible interactions of the coatings, caused by migration of ingredients from the flooring or impurities not removed on the surfaces to be sealed and the resulting damage (detachment or discoloration of the floor sealant) no warranty can be given.

The WEARMAX® recommendations for substrate preparation, as well as cleaning and care of WEARMAX®-sealed surfaces must be strictly observed.

IMPORTANT NOTE: All of the above consumption levels may vary due to the different absorbency of the substrate. Our application recommendations, which we give based on our experience in the laboratory and practice to the best of our knowledge, are not binding, do not constitute a contractual legal relationship and any secondary obligations arising from the purchase agreement. We recommend that you personally test our products for their suitability for the intended use. In case of doubt, suitability and consumption quantities should be checked by applying a sample surface. Our general terms of delivery and payment shall apply. With the publication of this leaflet all previous ones become invalid.

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Further information can be found on the Web at:

www.pematex.com

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