

WEARTOP®

HIGH PERFORMANCE FINISH FOR CORK FLOORINGS

TECHNICAL SPECIFICATION

GENERAL DESCRIPTION

High performance multilayer coating system based on ultraviolet-radiation curable urethane-acrylic resins (100% solid content), special mineral fillers and additives, designed to finish cork floors. It has very low VOC content, high UV stability, high elasticity, high shock and wear resistance and very good resistance to chemicals.

APPLICATION

The finish is applied on-factory, in industrial roller-coaters with the following products and layer sequence:

- Primer;
- Filler;
- < Intermedium sanding >
- Abrasion-resistant sealer;
- Basecoat;
- < Intermedium sanding >
- Scratch-resistant top coat;
- Scratch-resistant top coat;

Overall application dosage is 120-150 g/m², depending on the porosity of the corkboard material.

LAYERS TECHNICAL PROPERTIES

Primer

- Base: photopolymerizable acrylic resins
- Solid content: 100%
- Appearance: Clear, slightly yellowish liquid, colourless when dry
- Viscosity (DIN 53788, 20°C): 20 - 25 Poise
- Density (DIN 53217, 20°C): 1.10

Filler

- Base: photopolymerizable acrylic resins
- Solid content: 100%
- Appearance: Clear, slightly yellowish liquid, colourless when dry
- Viscosity (ASTM ISO 2555-2 at 25 °C and A4 - 20rpm: 8000-9500 mPa.s
- Density (DIN 53217, 20°C): 1.10

Abrasion-resistant sealer

- Base: photopolymerizable urethane-acrylic resins with mineral fillers (corundum and micronized silica)
- Solid content: 100%
- Appearance: Clear, slightly yellowish liquid, colourless when dry
- Viscosity (DIN 53788, 20°C): 36 - 42 Poise
- Density (DIN 53217, 20°C): 1.25

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Basecoat

- Base: photopolymerizable acrylic resins
- Solid content: 100%
- Appearance: Clear, slightly yellowish liquid, colourless when dry
- Viscosity (DIN 53788, 20°C): 22 - 26 Poise
- Density (DIN 53217, 20°C): 1.10

Top coat

- Base: photopolymerizable urethane acrylate resins with mineral fillers
- Solid content: 100%
- Appearance: Clear, slightly yellowish liquid, colourless when dry
- Viscosity (DIN 53788, 20°C): 12 - 16 Poise
- Density (DIN 53217, 20°C): 1.10
- Zehntner Gloss 60°: 10 ± 2 %

FINISH TECHNICAL CHARACTERISTICS

Cork flooring products with WEARTOP finish, achieve the following technical results:

Abrasion resistance in accordance with EN 14354: > 5000 revolutions until permanent abrasion.

Sliding coefficient μ according to 13893: > 0.4 (technical class DS).

Anti-slip property according DIN 51130: R11.

Impact resistance according EN 438-2 (small ball): > 40 N.

The finish is free from:

- Solvents
- Formaldehyde and formaldehyde-based preservatives
- Phthalates
- Surfactants
- PFAS, PFOA or PFOS chemistry and it does not degrade to these substances