



AM Surface



AM Surface Universal

Nanostructured dual-component protective coating for exposed surfaces both indoors and outdoors



Can be processed in a single work step



High resistance



Simple cleaning in a single work step without the need for chemicals



Ideal on concrete, tiles, metal, wood, cement-bound surfaces and old coats



Protects against damage caused by graffiti



Properties

Permanent nanoscale protective coating – without nanoparticles

- Low solvent levels (very high solid)
- Excellent adhesive strength, including on old coats (must be tested in some cases)
- Stable colour and gloss
- UV-resistant and weather-resistant
- Excellent resistance against frost, de-icing salts and chemicals
- Outstanding mechanical strength
- High resistance against water absorption



Colours

- Available in most RAL and NCS colours
- Matt grades: Semi-matt or extra-matt



Application

AM Surface Universal protects and visually enhances walls. Also in outdoor areas and in exposed locations thanks to UV resistance. With graffiti protection on concrete surfaces

- Concrete façades
- Stairwells
- Garage walls
- Floors
- Garden walls
- Fibre composite panels
- Kitchen walls and shelves
- Existing tiles
- Concrete floors
- Exposed concrete surfaces
- Window sills



Cleaning

- With water only
- No chemicals or cleaning agents
- In a single work step



Processing

AM Surface Universal can usually be applied in a single coat without the need for priming.

- Simple application using brush, roller or airless spray gun
- In a single work step
- Average coat thickness 120 – 150 µm
- Without priming, additional protective coating or post-processing
- Can also be processed at high humidities of up to 95 % and at temperatures of just above freezing (+3° C)

Preparation of substrate

Depends on the material to be coated. In all cases, the surface must be clean and free of grease, and must be stable. Filling work and priming are not usually necessary.

Processing

- Ambient temperature: 3 to 30° C
- Maximum humidity: 95 %
- **Mixing ratio:**
component A/ component B = 6 / 1 (by weight)
- Can be diluted with alcohol, ketones and glycol ethers (butyl acetate), maximum dilution 10 %
- Pot life: approx. 4 hours
- Stir component A with an electric mixer.
Add component B in the correct ratio and mix at low speed for several minutes
- Apply the coating with a brush, roller or spray gun with an average coat thickness of 120 to 150 µm
- Material pressure when using airless spray gun: approx. 200 to 250 bar
- Material temperature when using airless spray gun: 20 to 30° C
- Clean the equipment with solvent

Drying

- Drying at room temperature
- Drying time at 20° C: dust-dry in approx. 2 hours, completely dry in approx. 24 hours, completely hardened (cross-linked) after 7 days

Technical data

Bonding agent base	Polysiloxane epoxy resin
Solid volume	> 95% (very high solid)
Average coat thickness	120–150 µm, depending on substrate properties
Yield	3–5 m ² /kg at 150 µm dry coat thickness, actual consumption depends on surface roughness and processing method
Gloss grade	Semi-matt, extra-matt
Thermal resistance	–20°C to +150°C
Delivery	Ready for coating (thixotropic)



Form of delivery

Components A (base) and B (hardener)

- 0.9 kg A and 0.15 kg B, prefilled
- 6.0 kg A and 1.0 kg B, prefilled
- 24 kg A and 4 kg B, prefilled

Other container sizes available on request



Storage

At least 12 months in dry, cool surroundings in sealed original containers. Protect against moisture and frost



Supplier

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