



Meta Kote 16P

Two-Component based PU Anti-corrosive Coating.

Pack Size
10Kgs

TDS
Technical Data Sheet



Description

Meta Kote 16P is a two-component, UV-resistant, polyurethane resin-based protective coating and sealer coat for concrete and steel structures. It is color stable and available in gloss finish in various RAL shades.

Uses

Meta Kote 16P is recommended as a protective coating against aggressive atmospheres on substrates such as concrete, rendering, stone, asbestos cement, steel, and iron.

Characteristics/Advantages

Corrosion resistant, resistant to saline environments, good chemical resistance, weatherproof, UV resistant, color stable and non-yellowing, easy to apply, glossy finish, low dirt pick up.

Meta Kote 16P is recommended for usage as a protective coating on structures such as:

Cooling towers, bridges and flyovers in marine locations, chimneys, wastewater treatment plants, chemical manufacturing plants, metal structures in marine areas.

Product Information

Appearance/Color (Part A + B mixed)	Glossy colored liquid Part A: Colored liquid Part B: Colored liquid Available in various RAL shades
Shelf Life	12 months from the date of production
Storage Conditions	Store properly in undamaged and unopened original sealed packaging in cool and dry conditions. Protect from direct sunlight and frost
Density	1.20±0.05 kg/L at +30°C (Part A + B mixed)
Solid Content by Weight	~68%

Technical Information

Tensile Adhesion Strength:	≥1.5 N/mm ² on concrete substrate
Resistance to UV Exposure:	Excellent, no discoloration
Behavior after Artificial Weathering:	No sign of chalking, checking, spotting, flaking, blooming, or corrosion when tested for 1440 hours

Application Information

Mixing Ratio:	Part A B = 9:1 (By weight)
Consumption:	~0.15 kg per m ² per coat depending on the porosity of the substrate
Layer Thickness:	~150 microns in 2 coats
Ambient Air Temperature	: +10°C min / +40°C max
Relative Air Humidity	: 70% max
Dew Point:	Beware of condensation; the substrate must be at least 3°C above the dew point
Substrate Temperature	: +10°C min / +40°C max
Substrate Moisture Content:	≤4% as measured with a Tramex CME/CMExpert type concrete moisture meter
Pot Life:	10-15 minutes at +30°C
Waiting Time/Overcoating:	6 hours at +30°C & relative humidity 75%
Dry Time:	Touch dry ~24 hours, Full cure ~7 days

Application Instructions

Substrate Quality/Pre-Treatment

Concrete Substrates: The substrate must be dry and clean from any dust or laitance. Roughen the surface with sandpaper or wire brush, then clean the surface properly before applying the coating. Water cleaning is not permissible. Use a concrete pore-filling system such as EP 21 P before application of Meta Kote 16P. For old concrete substrates, use a primer coat as recommended. For damp substrates or whenever moisture ingress is expected, use AT 107 as a moisture barrier.

Metal Substrates: The substrate must be dry and clean from any rust or existing coatings. Roughen the surface with sandpaper or wire brush, then clean the surface properly before applying the coating. For existing metal substrates, use a primer coat as recommended.

Mixing

Meta Kote 16P is supplied in two parts. Mix parts A & B for 3 minutes with a low-speed (250-300 rpm) mechanical stirrer. Mix until the material becomes homogeneous without generating air bubbles.

Application

After mixing, apply by roller or brush on the prepared surface in 1 or 2 coats as per the system. Before application, clean the roller or brush from loose fibers by rolling on adhesive tape.

Cleaning of Tools

Clean all tools and application equipment with AC thinner cleaner immediately after use. Hardened/cured material can only be removed mechanically.

Limitations

It is recommended to use Meta Kote 16P as a temporary moisture barrier layer on concrete substrates where high moisture is expected. For a good quality finish, use a pore filler epoxy putty EP 21 P for concrete substrates. The coating is suitable for saline and mild chemical exposures. Do not use in highly acidic environments as this could lead to discoloration and affect durability.

Basis of Product Data

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Local Restrictions

Please note that as a result of specific local regulations, the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for exact product data.

Ecology, Health & Safety

For information and advice on the safe handling, storage, and disposal of chemical products, users shall refer to the most recent Safety

Data Sheet (SDS) containing physical, ecological, toxicological, and other safety-related data.

Legal Notes

The information and recommendations relating to the application and end-use of Carbolink products are given in good faith based on Carbolink's current knowledge and experience. Due to variations in materials, substrates, and actual site conditions, no warranty of merchantability or fitness for a specific purpose can be inferred. The user must determine the product's suitability for the intended application. Carbolink reserves the right to change the properties of its products. All proprietary rights of third parties must be observed. Orders are subject to our current terms of sale and delivery. Always refer to the most recent local Product Data Sheet, available upon request.

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Data Reliability

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Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

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