



CP PU Top Coat 215

PU Coloured Top Coat for Car Park Areas

Pack Size
10.1Kg

TDS
Technical Data Sheet



Product Description

PU Top Coat 215 is a high-performance, two-component, aliphatic polyurethane coating that offers superior protection for car park areas. This water-based, odorless formulation is designed to provide long-lasting durability with zero VOC emissions. PU Top Coat 215 is specifically engineered to withstand harsh weather conditions, UV exposure, corrosion, and physical damage while maintaining flexibility and providing breathable waterproofing. The product can be applied using a spray, brush, or roller, offering versatility across various applications. Upon full curing, PU Top Coat 215 exhibits excellent resistance to chemicals, acids, UV rays, and abrasion, making it an environmentally safe choice for protective coatings.

Recommended Uses

- Running Tracks
- PU Floors
- Acrylic Floors
- Warehouses
- Food and Beverage Facilities
- Commercial Vehicles
- Airports
- Stadiums
- Sound Walls
- Direct-To-Metal Applications
- Warehouse Floors
- Garage Floors
- Tile Floors and Walls

Features & Benefits

- Scratch-resistant finish
- Non-yellowing and UV-resistant topcoat
- Anti-carbonation protection
- Suitable for direct-to-metal and concrete applications
- Resistant to chemicals and acids
- Ideal as a protective floor coating or topcoat over epoxy primer for industrial concrete flooring
- Breathable, elastomeric waterproofing properties

Surface Preparation

Before application, ensure that all surfaces are clean, dry, and free of oils, dirt, debris, or minerals such as efflorescence, lime, and calcium deposits, which could interfere with proper adhesion. It is recommended to use PU RC WB 2K Concrete and Masonry Cleaner as a pre-treatment to clean masonry surfaces thoroughly. After cleaning, allow the surface to dry completely before applying the topcoat.

Mixing Instructions

1. Stir Part A with a jiffy blade at slow speed (500 RPM) for 2 minutes to ensure full dispersion.
2. Add Part B to Part A and mix for an additional 2-3 minutes.
3. Pour a portion of the mixed Part A back into the Part B container, mix well for 30 seconds, then return it to Part A and mix for another 2-3 minutes.
4. Allow the mixture to stand for 5 minutes before application. Loosely cover the mixed product to prevent contamination. Do not re-seal the mixed product.

Important: Mark the time to establish the pot life, which is 3-4 hours at 75°F (24°C). Avoid mixing the product with other materials or containers of PU RC WB 2K.

Application Instructions

Smooth Surfaces PU Top Coat 215 can be applied directly to most surfaces without a primer. Apply a light coat at a thickness of 3 to 4 wet mils.

Porous Surfaces

Porous surfaces should be sealed or filled to eliminate potential pinholes before applying PU Top Coat 215.

- Apply one coat of PU RC WB 2K (3 - 4 mils wet per coat). Allow 4 hours between coats or until the coating is tack-free.
- Any runs should be brushed or rolled out immediately before drying.
- Once dry, the thickness should be 1.5-2 mils. For heavy-duty applications, such as warehouse floors with heavy forklift traffic, the DFT thickness should be 3-4 mils. The dry time is 1-2 hours at 75°F (24°C)

Important: Proper overspray protection methods should be implemented. Atomized particles can adhere to most surfaces and are difficult to remove. Temperature and humidity directly affect the pot life and dry time. Application conditions should be between 40°F and 95°F (5°C to 35°C), with humidity not exceeding 80%.

Re-Application

Apply a second coat within 48 hours for proper adhesion. If the first coat has dried longer than 48 hours, abrade the surface to promote adhesion of the second coat.

Precautions

For horizontal applications, contractors should use appropriate non-slip additives depending on project conditions. Ensure the work area is well-ventilated, and protect surrounding areas, plants, and vehicles from overspray using drop cloths. Clean any overspray from windows, automobiles, and metal surfaces as soon as possible to prevent permanent staining. Ensure that all surfaces to be coated are free from contaminants such as dirt, grime, efflorescence, lime, form oils, and release agents. All cracks and voids should be properly repaired with urethane or other approved patching materials. Do not apply to surfaces with a moisture content greater than 25%, as measured by an electronic moisture meter. Avoid application in climates where freezing temperatures have existed before application; allow adequate time for surfaces to thaw. Ensure that air, surface, and material temperatures are above 40°F (4.4°C) and at least 5°F above the dew point before application.

Test Panel

Always apply PU Top Coat 215 to a mock wall or test panel first. Test the actual surface area to determine acceptable color, surface porosity, application rates, and methods before general application.

Safe Handling

Use the product only with adequate ventilation and/or an appropriate cartridge-type respirator. Avoid skin contact and wear protective gloves. Refer to the Safety Data Sheet before use.

Technical Data

Solid by Weight (%):	Clear/Matte: 52 (±2%) / 58%, Pigmented: 58 (±2%) / 64%
Solid by Volume (%):	50%
Dry Time:	1 - 2 hours
Cure Time:	3 - 7 days

Test Data

Test	Results	Test Method
Flash Point	>118°C (245°F)	Tag closed cup
pH (Part A / Part B)	N/A / 9.2	-
Specific Gravity	1.05	-
Gloss	>90 @ 16°C (60°F)	Gloss meter

Gloss Loss	< 10%	ASTM D523
Color Loss	< 1.1%	ASTM D2244
Salt Spray	1500+ hours	ASTM B117
Humidity	1500+ hours	ASTM D2244
Abrasion	<40mg	ASTM D4060
Hardness	>2H	ASTM D3363
Adhesion	Pass	ASTM D2197
Flexibility	Pass	ASTM D2794
Surface Burning (Flame Spread)	0	ASTM E84
Surface Burning (Smoke Development)	0	ASTM E84
Odor	None	-
VOC (g/L, less water)	0	-
MEK Double Rub	Passed 2,000 cycles @ 50% solids	

Chemical Resistance

PU Top Coat 215 offers excellent resistance to a wide range of chemicals and acids, including:

- Ammonium Hydroxide
- Potassium Hydroxide
- Sodium Hydroxide
- Sodium Chloride
- Trisodium Phosphate
- Ethyl Alcohol
- Isopropyl Alcohol
- Methyl Alcohol
- Hyjet #3
- Skydrol 500 A & B
- Hydrochloric Acid 10%
- Phosphoric Acid 35%
- Sulfuric Acid 20%
- Acetic Acid 24%
- Trichloroethylene
- Perchloroethylene
- Toluene & Xylene
- Jet Fuel
- Butyl Cellusolve
- Acetone
- Cellusolve Acetate
- Beer, Cola, Milk
- Mustard, Bleach

Pack Size

10.1Kgs



Data Reliability

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

Regional Compliance

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

Legal Disclaimer

The information and recommendations regarding the application and end-use of Carbolink products are provided in good faith based on our 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.