



# Wood Coat PU 11 C

1 Component water based wood coating

Pack Size  
220Kg, 30Kg, 20Kg & 10Kg

## TDS Technical Data Sheet



### Description

Carbolink Wood Coat PU 11 C is a high-performance, water-based polyurethane coating formulated for commercial and institutional floors. This product enhances the beauty of wood, acrylic sports surfaces, running tracks, rubber, and epoxy coatings without yellowing. It also provides additional protection to existing PU coating systems. With excellent mechanical and chemical properties, Wood Coat PU 11 C is an ideal choice for applications requiring increased resistance. The product offers adequate working time, making the application more accessible. It is self-priming, eliminating the need for an additional primer. Its formulation is based on technological advancements, offering excellent properties and an impeccable aesthetic finish.

### Safety Warning

- Some individuals may be allergic to polyurethane-based coatings and epoxy resin.
- Use protective gloves, facial and eye protection, adequate ventilation, and appropriate clothing.
- Avoid skin contact.
- In case of contact with eyes or skin, rinse thoroughly with water for 15 minutes.
- If inhaled, move the affected person to fresh air.
- If ingested, do not induce vomiting and call a doctor. If conscious, give the person a few glasses of water and contact the poison control centre.
- Keep out of reach of children.
- For Commercial And Industrial use only

### Advantages

- Supreme resistance
- Slip resistance (ASTM D-2047)
- Available in three finishes: Matte, Satin, Gloss
- High abrasion resistance & Excellent UV resistance
- Easy maintenance
- Low VOC content
- Easy installation
- Non-flammable
- No NMP (N-Methyl-2-pyrrolidone)
- Mould resistant
- Safe for food contact
- Excellent elongation
- Solvent-free

## Applications

- Residential and commercial spaces
- Living & dining rooms
- Vestibules, stairs, playrooms
- Countertops & tables
- Restaurants, retail stores & shopping malls
- Hotels, schools, gymnasiums
- Acrylic sports floors, running tracks, PU floors

## Coverage

Coverage rate: Up to 165 sq. ft (15 sq.m) per litre

## Product Data

Color	Clear
Reflection rate	Gloss = 60%, Satin = 40%, Matte = 5%
Odour	Low and non-offensive
Drying times:	<ul style="list-style-type: none"> <li>• Touch: 1 hour</li> <li>• Recoat: 3-4 hours (with ventilation), 6-8 hours (without ventilation)</li> <li>• Light traffic: 4-6 hours (with ventilation), 12-24 hours (without ventilation)</li> <li>• Furniture: 24-48 hours (with ventilation), 72 hours (without ventilation)</li> <li>• Complete cure: 7 days</li> <li>• Catalyzed mix life: 12 hours</li> </ul>
Chemical resistance	Excellent
Taber abrasion test mass loss:	8 mg (ASTM D4060 with CS-17 abrasive wheel)
Flashpoint:	N.D.
Solids content:	30% (by weight), 27% (by volume)
pH:	8.2 ±0.4
VOC content:	272 g/L
Viscosity:	23-25 seconds (Zahn #2)
Density:	1.04-1.05 kg/L
Freeze	thaw stability: Susceptible to freezing
Shelf life:	12 months (when stored in original container)
Tool cleanup:	Water
Storage	Between 10°C and 30°C (50°F and 85°F)
Disposal	Recycle if possible (consult local authorities)
USDA / FDA / CFIA	Meets standards

\*Drying times may vary depending on temperature, humidity, thickness, and application method. Adequate testing is recommended.

## System Application

- **Commercial - High/Traffic Intensive:** 3 coats
- **Residential - High Traffic:** 3 coats
- **Restoration - High/Medium Traffic:** 2 coats
- **Protection - Medium/Light Traffic:** 1-2 coats

## Surface Testing

All surfaces are not the same. It is recommended that a sample area be created before starting the project. Test a sample area on all existing coatings and substrates to determine if there are contaminants or if delamination will occur.

## Surface Preparation

- Ensure the surface is cured, dry, and free from contaminants, grease, oil, paint, curing agents, dust, or loose coating.
- For surfaces coated with epoxy, ensure proper surface preparation is performed according to the coating used.

## Mixing

1. Shake the gallon well.
2. Open and mix with a drill for 2 minutes.
3. Close the container again and wait for 8-10 minutes.
4. Pour into a pan, and it's ready to use.

## Application Instructions

- Turn off all ventilation in the room or block all ducts to minimize air movement.
- Remove dust with a vacuum cleaner or damp towels and hot water, as well as denatured alcohol and isopropyl alcohol.
- Pour the product into a paint tray and soak the roller.
- Apply by rolling evenly (East/West and North/South). Avoid application marks by not applying pressure on the roller.
- Smooth marks and lines as you go using a flying motion.
- Wait 3-4 hours of drying time between coats.
- Clean tools with water.
- Allow full curing before performing the first wet cleaning.
- Light pedestrian traffic is allowed after 4 hours of drying.
- Wait seven days before replacing carpets and rugs.

## Maintenance & Prevention

- Use protective felt pads under furniture to prevent scratches.
- Do not slide or drag furniture on the floor.
- Use Kevlar wheels for carts and chairs.
- Vacuum or sweep regularly.
- Use mild, non-abrasive cleaning products designed for coated and/or wooden floors.

## Product Result Limitation

- Do not use a product that has begun to harden.
- Do not use at low temperatures.
- Do not apply more than eight mils thick.
- Do not use crystallized material.
- Do not use it in high humidity conditions.
- Ensure a dry substrate before application. The moisture content of the substrate must be <4%.
- Not suitable for outdoor applications.

## Disposal

Excess material should be mixed and allowed to harden. Hardened product can be disposed of without restriction. Unhardened materials should be stored in an appropriate container and sealed, and can be disposed of in accordance with provincial, municipal, and/or federal regulations.

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## 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.