

PRODUCT DATASHEET

OMEGA Bituminous Paint 4500

General Description

A single component, physically drying, general purpose solvent-based black bitumen coating with great flexibility, provides economical protection for concrete and steel. Developed to prevent water penetration into substrates and to provide anti-corrosive protective coating in marine environments.

Recommended Use

Can be applied to a variety of substrates, e.g. steel, concrete, etc., and suitable for surfaces in contact with fresh or salt water, subsoil protection, guttering, stanchions, vehicle chassis, metal proofing, etc.

Features

- ✓ Excellent water repellence and anti-corrosive performance
- ✓ Resistant to weathering, oxidation, mild acids and alkali solutions
- ✓ Easy application with Brush, Roller, Air Spray, and/or Airless Spray

Limitations

Apply only when surface temperature is above 10°C. Maximum humidity during application and curing is 85% and dew point above 3°C. Moisture content must be below 6% for concrete floors and 17% for wood.

Surface Temperature Maximum, dry: 60 °C / 140 °F

Technical Data

Color	Black
Finish	Flat
Vehicle Type	Bitumen
Pigment Type	N/A
Volatile Organic Compounds (VOC)	450 gm/Ltrs
Solids Contents	45% +/- 2% by volume
Dry Film Thickness (DFT)	Dry: 40 µm / 1.6 mils Wet: 90 µm / 3.6 mils
Dry Time	To touch: 6 hours To recoat: min. 6 hours (20°C), 3 hours (30°C), 90 minutes (40°C) High humidity and cool temperatures will result in longer dry, recoat and service time
Dries by	Evaporation
Theoretical Spreading Rate (TSR) at Dry Film Thickness	11.2m ² per liter (depending on the nature and condition of the substrate)
Viscosity	58 – 68 KU
Flash Point	35 °C / 93 °F
Specific Gravity	0.92 – 0.98 gm/cm ³
Surface Temperature at Application	Minimum allowed is 10 °C Maximum humidity during application and curing is 85% and dew point above 3 °C
Thin With	Omega White Spirit 9000, 5-15%
Clean Up Thinner	Omega Cleaning Thinner
Available Package Size	1 USG / 5 USG
Shelf Life	24 months, sealed and kept at normal temperature (not in direct sunlight)

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Surface Preparation

Surface must be dry, clean and in sound condition. Remove oil, dust, dirt, or other foreign substance to ensure good adhesion.

Steel: Remove all wax, oil and grease by solvent cleaning in accordance to guidelines given by SSPC-SP1. Dry brushing to remove soluble salts, dirt and dust. Ensure that freshwater jetting is carried out to remove all loose contaminants and soluble salt deposition. Remove scale by chipping, needle gun or spot blasting. Any loose or flaking coatings should be taken back to a firm edge. Mechanically clean the surface using hand or power tools to a minimum standard of St 2 (ISO 8501-1:1988) or SSPC-SP2 taking care to avoid polishing the surface. Where necessary, remove weld spatter and round off all rough weld seams and sharp edges to a smooth surface.

Concrete: Ensure that the surface is sound. Remove laitance by thorough wire-brushing, acid etching or sweep blasting. Blowholes and other defects should be filled with the relevant filler.

WARNING: If you scrape, sand or remove old paint, you may release lead dust. Lead is toxic. Exposure to lead dust can cause serious illness, such as brain damage, especially in children. Pregnant women should also avoid exposure. Wear an approved respirator to control lead exposure. Carefully clean up with a vacuum and a wet mop.

Application Method

Stir thoroughly before and during use. Apply a minimum of two coats by brush, roller, air spray or airless spray using nozzle orifice 1.5mm with 2-3 bar / 28-42 psi nozzle pressure.

System Specification

Apply directly on cured surfaces. This product does not require any preceding coat.

Storage and Handling

The product must be stored in accordance with national regulations and should be kept in a cool and well ventilated place. Protect from heat and direct sun light, handle with care and stir well before use.

Health and Safety

Apply under well-ventilated conditions. Do not breathe or inhale mist. When applying, wear air-mask and avoid skin contact. Spillage on skin should be immediately removed with suitable cleanser, soap, or water. Eyes should be well flushed with water and medical attention to be sought immediately.

Disclaimer

The information is given in good faith. We warrant our product is of good quality and manufactured in accordance to rigid standards. Failure of this product due to misuse or bad storage is beyond the manufacturer warranty. The company pursues a policy of continuous improvement in product innovation, and as such, reserves the right to change the given data without prior notice. Contact Omega's representative or visit www.omegapaints.net for more info.

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