

Made in the Kingdom of Bahrain

## Omega 4425 Traffic Paint

**Finish:** Flat  
**Type:** Acrylic-based Topcoat - Solvent-borne



### Product Description

#### Type

A single component, fast drying, ready to use traffic marking paint that conforms to Middle East climate and environment conditions. Designed to mark the color stripes for traffic on roads, highways, zebra crossings, curb stones, road barriers, runways, and other thresholds.

#### Options (Code)

Traffic Paint (4425)

#### Features

This product has excellent resistance to water abrasive weathering and high traffic, with strong adhesion to cured asphalt, concrete, brick and other surfaced highways, carparks, factory and industrial floors. It is an easy to use product with good hiding power.

#### Benefits

- Single component
- Fast drying traffic paint
- Strong adhesion
- Good hiding power
- Excellent resistance to weathering and traffic

#### Recommended Use

For use as road-marking on asphalt as well as concrete and masonry surfaces.

#### Substrate

Asphalt, Concrete, Block Work, Masonry and Rendered Surfaces.

Substrate should have sufficient strength to receive the paint. Any defects in the substrate like surface undulations, cracks, pin holes, etc., should be rectified / filled before starting painting.

The compatibility of any third-party filling material, if used, should be confirmed with Omega Paints® before application.

## Product Data

### Colors

White, Yellow and Black

### Packaging Size

1 USG , 5 USG

### Solids Contents

45% +/- 2% volume theoretical

70% +/- 2% weight theoretical

### Volatile Organic Compounds (VOC)

575 - 625 g/l

### VOC Comments

This is the theoretical value. Tested value will vary depending on test methodology, accuracy of equipment used for testing and test conditions

## Application Method

### Painting Tools

Roller: Recommended

Brush: Recommended to paint corners and edges

Spray: Airless spray or Conventional spray

### Guidelines for Airless Spray

Nozzle tip 0.018" to 0.027"

Spray angle degrees 65° to 80°

Pressure at Nozzle 140-190 kg/cm<sup>2</sup> ( 2100 psi )

### Cleaning of Painting Tools

Omega 9011 Cleaning Thinner

## Physical Characteristics

### Film Thickness per Coat

Typical recommended range

Dry film thickness 40 - 80 µm

Wet film thickness 80 - 160 µm

Film thickness will vary and is calculated at average

### Theoretical Spreading Rate (TSR)

5.0 - 10.0m<sup>2</sup> per liter

Spreading rate depends on film thickness applied, type of texture, surface porosity, imperfections, temperature, wastage during painting etc.

Maximum spread rate per coat is obtained at minimum dry film thickness and vice versa.

Specific Gravity	Opacity	Viscosity
1.20 - 1.60 g/cm <sup>3</sup>	23°C / 73°F	80 - 90 KU

## Application Conditions

### Stir thoroughly before and during use

This product is not for use on areas that are continually wet like showers

Surface temperature during application	Thinner	Dilution
The temperature of the substrate should be a minimum of 10°C and at least 3°C above the dew point of the air, measured in the vicinity of the substrate	Omega 9005 Synthetic Thinner	Maximum 15%

### Moisture content must be below 12%

Good ventilation is usually required in confined areas to ensure proper drying

## Drying Times

Substrate temperature	10°C	23°C	40°C
Surface (touch) dry	1 h	0.5 h	0.25 h
Hard dry	2 h	1 h	0.5 h
Dry to over coat, minimum	2 h	1 h	0.5 h

## Measured by Relative Humidity (RH) 50%

Drying times are generally related to air circulation, temperature, film thickness, and number of coats, and will be affected correspondingly.

1. Recommended data given is, for reciting with the same generic type of paint.
2. In case of multi-coat application, drying times will be influenced by the number and sequence and by the total thickness of previous coats applied
3. The surface should be dry and free from any contamination prior to application of the subsequent coat.

## Recommended Paint System

### Primer

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### Filler

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### Topcoat

Omega 4425 Traffic Paint x 2 coats

### Remarks

Other systems may be specified, depending on area of use and surface condition. Packaged contents with different batch numbers must be mixed together before use.

## Directions of Use

### Surface Preparation

Surface must be sound, clean, dry and free from dust, grease, oil, latencies, etc. Remove any peeling or scaling paint and sand these areas to feather edges smooth with adjacent surfaces. Glossy areas should be dulled. Drywall surfaces must be free of sanding dust.

### Plaster Condition

New plaster or masonry surfaces must be allowed to cure for 30 days before applying base coat. Cured plaster to be hard, have a slight sheen; soft, porous or powdery plaster indicate improper cure.

### Sanding

A light sanding with suitable abrasive material is recommended before application. Any resulting dust/loose particles must be removed.

### Caution

Poured or pre-cast concrete with a very smooth surface should be etched or abraded to promote adhesion, after removing all release agents and curing compounds. Smooth planed clapboards or siding must be sanded thoroughly to break the mill glaze allowing proper penetration and adhesion.

### Difficult Substrates

Omega Paints® offers a number of specialty primers for use over difficult substrates. Your Omega Paints® representative can recommend the right problem-solving primer for your special needs.

## Certifications

	Parameter	Test Method
1	Surface (touch) dry	Surface Drying
2	Scrub Resistance	ASTM D2486
3	Volatile Organic Compounds (VOC)	BS EN ISO 11890-2:2006

Color: White

Copy of certificate and additional certificates and approvals available on request.

### Storage and Handling

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Shelf Life : 24 month(s)

Sealed and kept at normal temperature (not in direct sunlight)

### 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. Please observe the environmental and precautionary notices displayed on the container.

### Material Safety Data Sheet

A material safety data sheet for the product has been issued. Detailed information regarding health and safety risks and precautions for the use of this product is specified in the product's Safety Data Sheet.

First-aid measures, refer to section 4

Handling and storage, refer to section 7

Transport information, refer to section 14

Regulatory information, refer to section 15

### Disclaimer

The information in this document is given to the best of Omega's knowledge, based on laboratory testing, practical experience, and good faith. Omega's products are manufactured to rigid standards, is considered as semi-finished goods and as such, products are often used under conditions beyond Omega's control. Omega cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements.

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