

# TECHNICAL INFORMATION

## TRAFFIC PAINT WATERBORNE 418

511-00418-000



### DESCRIPTION

TRAFFIC PAINT WATERBORNE is a road marking paint that has high visibility, excellent adhesion and durability on surfaces exposed to continuous pedestrian and vehicle traffic, thanks to its formula based on water-based modified acrylic polymers.

Meets Federal Standard TTP-1952 E Type III, and Costa Rican Standards INTE Q 44-1.

### USE

Apply it on asphalt and concrete surfaces for marking roads, sidewalks, transit, parking, or safety areas.

<b>Structure</b>	Roads, Parkings
<b>Exterior/Interior</b>	Indoor, Outdoor, Roofed Exterior walls
<b>Surface</b>	Asphalt pavement, bare concrete

### CHARACTERISTICS

#### SPECIAL PROPERTIES

FINISH	Matte
Hiding Power	● ● ● ● ○
Weather resistance	● ● ● ● ○

#### PHYSICAL PROPERTY

#### DATA

Volume Solids (%)	58 - 62
Weight solids (%)	68 - 74
Weight per Gallon (kg/gal)	6.25 - 6.40
Volume Solids (%)	3.5
Stormer Krebs Viscosity (Ku)	85 - 100
Theoretical Yield (m <sup>2</sup> /Gallon)	93
Abrasion (l/mil)	> 36
Mandrel-Bend test (ASTM D-522)	> 32%
Shell life (stored in an aired place @ 20°C)	6 months
VOC (grams/liter)	75 - 85 (*)

These technical data were calculated under controlled laboratory conditions, but SUR QUIMICA has no control over conditions, tools, applicator skills, selection, preparation, or compatibility of products used; therefore, can only guarantee this product quality, its features and qualities' suitability, but is not responsible for the results obtained in conditions impossible to check once the job has been done. SUR QUIMICA has made reasonable efforts to ensure the accuracy of the information provided here, but assumes no responsibility for any error, omission, or inaccuracy in it. If there is any inconsistency between different language issues of this document, Spanish version will prevail.



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Definition of theoretical yield: Maximum surface that a paint can cover under ideal conditions. Practical performance varies depending on type of surface, used tool, applicator experience and other factors. 1 mil = 0.0254 mm.

Note: Values measured on color white. Other colors may show small changes.

### PRESENTATION

#### AVAILABLE PRESENTATIONS

1 gallon metal can (3.785 lt)

5 gallon plastic bucket (18.925 lt)

#### AVAILABLE COLORS

White 000

Yellow 100

Red 314

Black 700

### SURFACE PREPARATION

#### CONDITION

#### INSTRUCTION

#### Surface Preparation

Surface must be free of dirt, dust, grease, oil, or any other contaminant that may affect the adhesion of the finish.

#### New Asphalt

New asphalt should be cured for at least 7 days before applying Traffic Paint Waterborne 418.

#### Transit Concrete roads

(Roads, parking lots, sidewalks): Surface must be clean and dry before applying Waterborne Traffic Paint.

### PRODUCT PREPARATION

#### COMPONENT

#### MIXING RATIO

#### MIXING INSTRUCTIONS

Product: 511-00418-000, TRAFFIC PAINT 100%  
WATERBORNE 418

Stir well before use

Diluent: Water

10%-15%

Then add diluent

### PRODUCT APPLICATION

IT CAN BE APPLIED WITH

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Airless spray	Brush	Roller	Spray gun (gravity or suction feed)
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### Airless spray application

Pressure	900 – 1500 psi
Fan Angle	60°
Boquilla	0,43 mm (0.017”) – 0,48 mm (0.019”)

### Application conditions

Do not apply on damp surfaces, when relative humidity is over 85% or at temperatures below 41°F (5°C).

### Number of layers and thickness

Maximum recommended thickness	General areas 6 mils
Minimum recommended thickness	6 mils
Recommended maximum thickness (demarcation line)	8 mils

### Drying times

Pick Up Dry	Meets Costa Rican Standard INTE Q 32 (less than 20 minutes).
Dry-to-Touch Time	10 minutes
Full drying time	2 hours
Footprint-Free	20-30 minutes

Hard dry: 20 minutes.

Time before use: 25 – 30 minutes.

Drying times at 25°C and 50% relative humidity applied @ 1.5 mils wet film thickness.

Touch-dry: 3 – 10 minutes.

Hard Dry: 20 minutes.

Drying times listed are under ideal conditions (Between 22-28°C temperature and 50 – 80% relative humidity).

These times are dependent on temperature, moisture, film thickness and dilution.

### Application Instructions

Before and during use, shake vigorously until its consistency is uniform.

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It is recommended to apply holding the spraying nozzle at a height of 20 to 30 cm from the surface.

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### NOTICE

- ✓ If you need more information, check our website <https://www.gruposur.com/asistencia/>
- ✓ Container must be kept out of reach of children, tightly closed in a ventilated place, away from sunlight or intense heat, between 20 and 30°C

✓

### HEALTH

- ✓ The user of this product may need the appropriate Personal Protection Equipment (PPE), as described in its Safety data Sheet (MSDS), available at <http://www.gruposur.com>
- ✓ If you need to dispose of empty containers of our products in Costa Rica, contact your SUR Color paint store or our industrial compound in La Uruca, San Jose.

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