One-Component Acrylic Road Marking Paint, White (RAL 9016), 25 kg

RAL 9016



AT A GLANCE

- One-component solvent-based acrylic paint, white (RAL 9016).
- 25 kg, about 39 m² at 400 µm wet film.
- Dries in 25 minutes at 25 °C.
- With glass beads: R5 retroreflection (EN 1436).

Product code	**ATP 1K-9016**
Category	**Road Marking Paint**
Weight	**25 kg**

This product on attotrafic.ro
https://attotrafic.ro/en_US/products/vopsea-pentru-marcaje-rutiere-acrilica-monocomponenta-alba-ral-9016-25-kg

Technical specifications

Type	One-component solvent-based acrylic paint
Colour	White (RAL 9016)
Weight	25 kg
Binder	Pure acrylic resin
Pigment	Titanium dioxide
Finish	Matt
Density	1.50-1.70 kg/l
Solids by weight	75% ± 2%
Solids by volume	56% ± 2%
Viscosity	90-95 KU at 25 °C
VOC content	22-28%
Flash point	15 °C

Theoretical coverage	641 g/m² at 400 µm wet film (225 µm dry); 962 g/m² at 600 µm (335 µm dry)
Per metre of line	64.1 g/m at 10 cm width, 96.2 g/m at 15 cm (400 µm wet film)
Drying time	30 min at 10 °C; 25 min at 25 °C; 5 min at 45 °C (ISO 9117)
Hiding power	HP4, ≥ 95% at 300 µm (EN 1871)
UV ageing	UV1, β ≤ 0.05 (EN 1871)
Compliance	BS EN 1871, SANS 731-1
Road performance (EN 1436)	With 600 g/m² of paint and 400 g/m² of 850-125 glass beads: initially RL R5, Qd Q5, SRT S3; after 2 million wheel passes (P6): R2, Q4, S3
Testing	to EN 13197
Application	Airless or air-assisted machines; by hand on small areas: handgun, brush or roller
Thinning	Maximum 3%, with solvent-based thinner
Application conditions	Surface 5-45 °C, air ≥ 5 °C, humidity ≤ 80%, temperature ≥ 5 °C above dew point
Substrate	Asphalt and concrete; prime concrete and very old or polished asphalt
Shelf life	18 months in the original sealed pail, at 5-30 °C

Description

White is the basic colour of road markings: centre lines, pedestrian crossings, parking bays, arrows. The ATP 1K-9016 is the classic one-component paint for them: open the pail, mix it with a mechanical stirrer and apply it, with no catalyst. It is made from pure acrylic resin and titanium dioxide, with a matt finish.

How far it goes

At a 400 µm wet film, the theoretical consumption is 641 g/m², so a 25 kg pail covers about 39 m², roughly 390 m of 10 cm line or 260 m of 15 cm line.

Visible at night

The paint contains no beads. Dropped onto the fresh coat, ATP AC90 glass beads make it retroreflective: in EN 1436 tests, with 600 g/m² of paint and 400 g/m² of beads, the marking reached class R5 at first and R2 after 2 million wheel passes.

Application

With airless or air-assisted machines, and on small areas with a handgun, brush or roller. Thin by 3% at most. The surface must be 5-45 °C, humidity below 80%, and new asphalt should be left for 4-6 weeks. On concrete, apply the ATP PRIMER first. It dries in 25 minutes at 25 °C.

Other versions

Yellow for temporary markings: the ATP 1K-1023. For crossings and stop lines with heavy traffic, the two-component ATP 2K-9016.

Drawings and details · 1/3

Consum și acoperire
Consumption and coverage

ATP 1K-9016



Film umed de 400 µm (225 µm uscat)
400 µm wet film (225 µm dry)

641 g/m²

≈ 39 m² dintr-o găleată de 25 kg
≈ 39 m² from one 25 kg pail

Film umed de 600 µm (335 µm uscat)
600 µm wet film (335 µm dry)

962 g/m²

≈ 25 m² dintr-o găleată de 25 kg
≈ 25 m² from one 25 kg pail

Linie de 15 cm, film umed de 400 µm
15 cm line, 400 µm wet film

96,2 g/m

≈ 259 m de linie dintr-o găleată de 25 kg
≈ 259 m of line from one 25 kg pail

Valori teoretice, din fișa tehnică a produsului.
Theoretical values, from the product's data sheet.

ATP 1K-9016 consumption and coverage

Drawings and details · 2/3

Culoare: Alb, RAL 9016

Colour: White, RAL 9016

ATP 1K-9016

RAL 9016

Alb / White

Finisaj: Mat

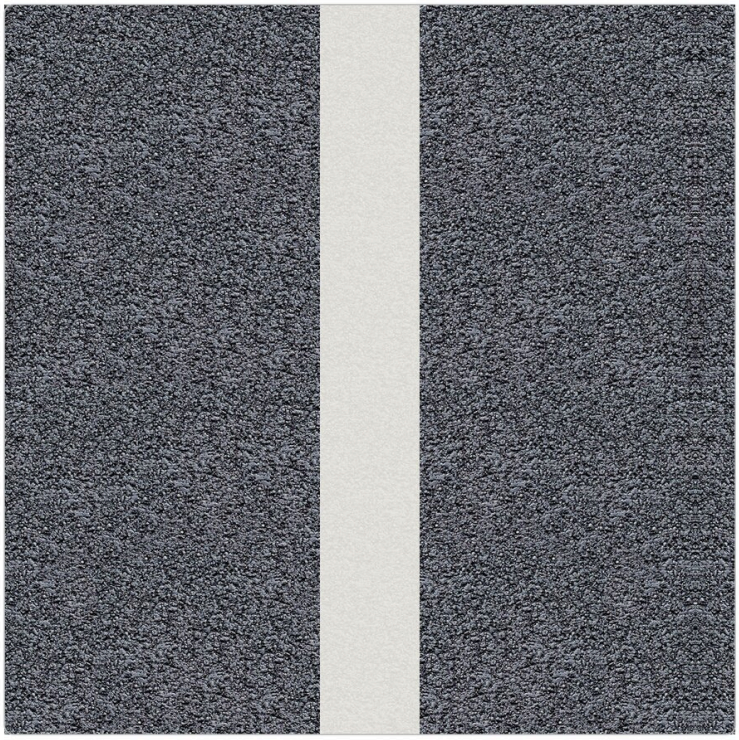
Finish: Matt

Pigment: Dioxid de titan

Pigment: Titanium dioxide

Îmbătrânire UV: UV1, β ≤ 0,05 (EN 1871)

UV ageing: UV1, β ≤ 0.05 (EN 1871)



Linie de 15 cm pe asfalt

15 cm line on asphalt

Culoarea de pe ecran este orientativă; referința este codul RAL.

The colour on screen is indicative; the RAL code is the reference.

ATP 1K-9016 colour

Drawings and details · 3/3

Aplicare
Application

ATP 1K-9016

Cum se aplică
How it is applied

Mașini airless sau cu aer asistat; manual pe suprafețe mici: pistol, pensulă sau rolă

Airless or air-assisted machines; by hand on small areas: handgun, brush or roller

Condiții
Conditions

Suprafață 5-45 °C, aer ≥ 5 °C, umiditate ≤ 80%, temperatura cu ≥ 5 °C peste punctul de rouă

Surface 5-45 °C, air ≥ 5 °C, humidity ≤ 80%, temperature ≥ 5 °C above dew point

Timp de uscare
Drying time

30 min la 10 °C; 25 min la 25 °C; 5 min la 45 °C (ISO 9117)

30 min at 10 °C; 25 min at 25 °C; 5 min at 45 °C (ISO 9117)

Diluare
Thinning

Maximum 3%, cu diluant pe bază de solvent

Maximum 3%, with solvent-based thinner

Suport
Substrate

Asfalt și beton; pe beton și pe asfalt foarte vechi sau lustruit se aplică amorsă

Asphalt and concrete; prime concrete and very old or polished asphalt

Valabilitate
Shelf life

18 luni, în ambalajul original sigilat, la 5-30 °C

18 months in the original sealed pail, at 5-30 °C

Din fișa tehnică a produsului.
From the product's data sheet.

ATP 1K-9016 application