Hot-Applied Thermoplastic Road Marking Material, Black (RAL 9017), 20 kg



AT A GLANCE

- Black hot-applied thermoplastic (RAL 9017).
- 20 kg meltable bag; 6 kg/m² at 3 mm.
- Type II: retroreflective also in wet or rainy weather.
- Softening point ≥ 110 °C (SP4).

Product code	**ATA 4520**
Category	**Road Marking Paint**
Weight	**20 kg**

This product on attotrafic.ro
https://attotrafic.ro/en_US/products/termoplastic-pentru-marcaje-rutiere-aplicat-la-cald-negru-ral-9017-20-kg

Technical specifications

Type	Hot-applied thermoplastic road marking material
Marking type	Type II flat marking: retroreflective also in wet or rainy weather
Colour	Black (RAL 9017)
Weight	20 kg
Packaging	20 kg meltable bag, material in powder form
Density	1.9-2.1 g/cm³
Softening point	SP4, ≥ 110 °C (EN 1871)
Application temperature	170-190 °C
Maximum heating temperature	220 °C
Typical thickness	3 mm
Consumption	6 kg/m² at 3 mm thickness (about 4 kg/m² at 2 mm); drop-on glass beads: 400 g/m²
Application	By hand with screed tools, or with an extrusion machine
Road performance (EN 1436)	Initial: Qd Q5, RL dry R5, wet RW3, rain RR1, SRT S2; after 2 million wheel passes (P6): Q4, R2, RW2, RR1, S1 (measured on the white version)

Durability	P6, 2,000,000 wheel passes (EN 13197)
Compliance	EN 1871, EN 13197, EN 1436
Storage	Dry, covered place, away from direct sunlight
Shelf life	24 months from manufacture

Description

On high-traffic roads, markings have to last longer than a coat of paint. The ATA 4520 is a black hot-applied thermoplastic: it is applied molten, at 170-190 °C, in a typical 3 mm layer, several times thicker than acrylic paint, so it stands up to traffic for much longer.

Type II marking

It is certified as a type II flat marking: it stays visible at night not only when the road is dry, but also when it is wet or raining. Under EN 1436 it starts at retroreflectivity R5 dry, RW3 wet and RR1 in rain, daytime visibility Q5 and skid resistance S2; after 2 million wheel passes (class P6, EN 13197) it keeps R2, RW2, RR1, Q4 and S1 (values measured on the white version).

Consumption

6 kg/m² at the typical 3 mm thickness, so a 20 kg bag covers about 3.3 m²; at 2 mm, about 4 kg/m² (5 m² per bag). ATP AC90 glass beads are dropped on straight after, 400 g/m².

Application

By hand with screed tools or with an extrusion machine, at 170-190 °C; do not heat it above 220 °C. The material comes as powder in a 20 kg bag that melts together with it.

Technical data

- density 1.9-2.1 g/cm³;
- softening point SP4, at least 110 °C;
- compliant with EN 1871, EN 13197 and EN 1436;
- shelf life 24 months from manufacture, stored dry, covered and out of direct sunlight.

Other colours

White: the ATA 4020. Yellow: the ATA 4120.

Drawings and details · 1/3

Consum și acoperire
Consumption and coverage

ATA 4520



Grosime de 3 mm
3 mm thick

6 kg/m²

≈ 3,3 m² dintr-un sac de 20 kg
≈ 3.3 m² from one 20 kg bag

Grosime de 2 mm
2 mm thick

≈ 4 kg/m²

≈ 5 m² dintr-un sac de 20 kg
≈ 5 m² from one 20 kg bag

Microbile de sticlă presate
Drop-on glass beads

400 g/m²

se presară pe marcajul fierbinte
scattered on the hot marking

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

ATA 4520 consumption and coverage

Drawings and details · 2/3

Culoare: Negru, RAL 9017

ATA 4520

Colour: Black, RAL 9017

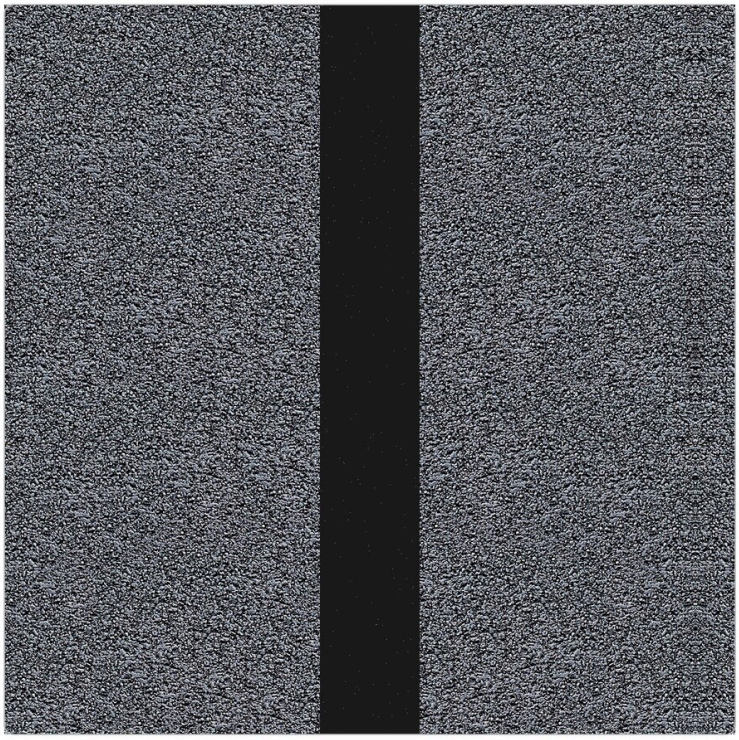


RAL 9017

Negru / Black

Tip marcaj: Tip II, marcaj plat: retroreflectorizant și pe vreme umedă sau ploioasă

Marking type: Type II flat marking: retroreflective also in wet or rainy weather



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.

ATA 4520 colour

Drawings and details · 3/3

Aplicare
Application

ATA 4520

Cum se aplică
How it is applied

Manual, cu unelte de întins, sau cu mașina de extrudare

By hand with screed tools, or with an extrusion machine

Temperatura de aplicare
Application temperature

170-190 °C

170-190 °C

Încălzire maximă
Maximum heating

220 °C

220 °C

Grosime tipică
Typical thickness

3 mm

3 mm

Ambalaj
Packaging

Sac de 20 kg, cu materialul sub formă de pulbere; sacul se topește odată cu el

20 kg meltable bag, material in powder form

Depozitare
Storage

Loc uscat și acoperit, ferit de soare

Dry, covered place, away from direct sunlight

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

ATA 4520 application