

## **AdBlue®**

### ***What is AdBlue®?***

The need to comply with the gas emission limits established by European standards (Euro 6) and American standards led car manufacturers to look for solutions that would make it possible to reduce polluting gases.

Faced with this concern and need, the SCR (Selective Catalytic Reduction) technology emerged, whose objective is to significantly reduce polluting nitrogen oxide emissions. New diesel cars are already equipped with this technology and this is where AdBlue® liquid is used.

The AdBlue® is an innovative product composed of urea and demineralized water, essential for all cars that use the SCR (Selective Catalytic Reduction) system to reduce nitrogen emissions in EURO 4, EURO 5 and, in particular, in diesel vehicles EURO 6, in line with E6 pollution legislation.

### ***How it works?***

After combustion, when coming into contact with gases, the AdBlue® liquid promotes a chemical reaction, which result is the transformation of part of the nitrogen oxides into water vapor and nitrogen.

The AdBlue® is not a fuel additive, it is an additional fluid for use in diesel cars that requires regular topping up.

The consumption will depend on several factors, such as the type of driving, temperature of the car system, and/or ambient temperature. Although cars equipped with this technology have a warning system on the instrument panel, taking into account the factors described above, you must top up AdBlue® before long journeys as the average tank capacity is 15 to 25 liters per vehicle.

On average, the car consumes around 1.5 to 3.5 liters of AdBlue® for every 1000 kilometers and the first alert to fill the tank appears approximately 2500 kilometers before it switches off completely. If maintenance is not performed, other alerts may appear depending on the distance traveled and the number of resets performed.

Anyway, **Blue Smile** suggests that as soon as the warning appears on the instrument panel, you go to a workshop / service station as this liquid is essential for the car to start.

### ***Where can I find the Adblue® deposit?***

Depending on the car, the filler neck can be located in different places: next to the fuel filler neck, on the side opposite the fuel filler neck, in the trunk, next to the spare tire or in the engine compartment. For example, on Peugeot 308, Citroen C3 diesel, Citroen C4 diesel and Citroen C5 diesel, the location of the AdBlue® filler is under the floor of the car trunk.



However, if it is, for example, a diesel Renault Mégane, a Ford Transit Chassis-Cabin or a Peugeot Expert, the Adblue® tank nozzle is next to the fuel tank nozzle.





In this case, due to the proximity of the AdBlue® tank and the fuel tank, if you make a mistake when filling up, do not start the engine. This action could damage the SCR (Selective Catalytic Reduction) system. In order to avoid this type of situation, it is best to top up your vehicle's AdBlue® at a workshop/ service station, always accompanied by a specialized professional.

In some car models there is also a completely individual solution for accessing the AdBlue® tank nozzle, for example in the case of models such as the Peugeot Traveller, which is located next to the driver's door, and the Renault Master Chassis-Cabin, which is located next to the passenger door.





## **AdBlue® Policy**

Now, as we already know, AdBlue® is a diesel exhaust fluid that is necessary in modern vehicles with a diesel engine. All models that require AdBlue®, particularly commercial vehicles with diesel engines, are identified with an AdBlue® tank, normally located next to the fuel tank. Like the fuel level, the vehicle's instrument panel shows or warns/alerts if the AdBlue® level is low.

At **Blue Smile** the vehicle is delivered above the minimum AdBlue® for circulation (without AdBlue® lights on) and must be returned in the same condition, otherwise a Refueling Fee will apply.

During the trip, the Lessee, understood as the Customer, is responsible for ensuring that the vehicle always has the Fuel and AdBlue® necessary for circulation without damaging the engine.

Additional AdBlue® can be purchased throughout the rental period at any workshop/service station at the Lessee's expense. The Lessor will not reimburse the Lessee for any expenses with AdBlue® fluid when returning the vehicle.

For example, commercial vehicles at **Blue Smile** are of the latest generation of diesel engines, so they are equipped with an AdBlue® tank, in which case the Lessee must return the commercial vehicle with the AdBlue® tank in the same conditions as the lifted up, i.e. full.

When picking up the rented vehicle, the Lessee must ensure that the AdBlue® tank is always sufficiently full.

**Blue Smile** advises that the Lessee must return the vehicle with a full tank of AdBlue® for any rentals lasting 28 days or more. If the vehicle

is not returned with a full tank of AdBlue®, **Blue Smile** will charge the Lessee for the cost of filling the vehicle plus a service charge in accordance with the applicable price list at the time of rental. The applicable price list is displayed on the Lessor's premises and website. For rentals lasting 27 days or less, **Blue Smile** will handle the AdBlue® refill variably, charging, depending on the number of kilometers travelled, the AdBlue® value plus a refueling fee. The applicable price list is displayed at the Service Station/Desk and on the Rental Company's website.

The Lessee and/or its Agents/ Drivers/ Representatives are fully responsible for the breach of the aforementioned obligation during the rental period.

The Lessee shall indemnify **Blue Smile** against all claims, in particular against any penalty and warning fines, claimed by the Authorities or other Third Parties, as well as for any failure/error in filling the AdBlue® tank.

For additional information and clarification, you should contact the commercial services of **Blue Smile** through the **Booking Center** through the telephone no. (+351) 223 205 857 (national call), by mobile (+351) 915 062 600 (national mobile call) and (+351) 916 514 777 (national mobile call) or via e-mail to *info@bluesmile.pt*.

## **AdBlue® Rates**



### **Price per Litre**

€2.91 + taxes (€0.67) = €3.58

### **Replenishment Fee Amount**

€15.00 + taxes (€3.45) = €18.45

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