

Model	Item	Rev.	Date
KTM 950 / 990 Adventure	Carbon / Kevlar Side Tanks	5	03/07/17
PRODUCT DESCRIPTION & TECHNICAL DATA			



DESCRIPTION

These tanks were designed to provide a range of at least 450 km of track without affecting the driving of the motorcycle; so we kept the masses low and centralized avoiding, at the same time, to interfere with driving operations.

The total operative capacity of the two tanks is approximately 18 liters

The tanks are made using Epoxy resin, high strength Carbon/Kevlar fabric with internal reinforcements. The curing takes place under vacuum
Even the joints are made with carbon fiber and Kevlar and the assembly of the two shells takes place using advanced structural adhesives.

The filler necks are made using light aluminium alloy while the fuel caps are plastic made in order to avoid the locking of the thread in the presence of sand.
Is possible to fit breathing valves, not included.

The sealing of the tanks is verified at a pressure of 0.4 bar; In addition their inner surface is coated with a special resin that improves the chemical resistance to gasoline and seals any microporosity
The tanks are electrically grounded to the frame of the bike; this means that electrostatic discharge is controlled.

The tanks are fastened to the bike frame in 3 points; front and rear are the standard ones while the third is obtained by means of a bracket fixed to the passenger footrest hole.
Composite materials have good performances against vibrations effects, anyway all these

connections use grommets in order to give more protection.

Each tank is provided with its own tap to close the passage of the fuel, while is also supplied a general tap in order to manage the front/rear tanks. (total 3 taps)

The UV rays tend yellowing the epoxy, so we recommend to paint the tanks using colored paint or varnish with UV filter (a two-component product for car bodywork is adequate)

Few are the modifications needed for mounting: apart from the obvious need of exhaust manifold passing under the engine block, only the tail light/plate holder have to be slightly modified cutting away the two little flaps close to the rear fastening point; in addition has to be realized a cable for unlock the saddle.

The rear fender, the flashers, the luggage rack and the handles remain the standard ones.

On the back of each tanks there are 4 threaded holes M6, for fixing the silencer through a plate. (this plate is not included but available separately)

If the oil tank and/or the battery were moved under the seat, (or you are intentioned to do it) we need to know it because in this case we have to verify the compatibility of the right tank

They were designed without considering the transportation of a passenger.

The tanks were not designed to support the luggage; they can only withstand an extra vertical load of up to 2,5kg each side (i.e. soft tail bags resting on the saddle or luggage rack with small side extension that can be supported by tanks).

The tanks do not have any approval, therefore it is possible that their use on open roads is not legal and is required a new approval of the bike. We invite you to take legal information from your local authorities before purchase.

These tanks are purchased, fitted and used under owner's responsibility, Landmark.works is not responsible for any kind of direct or indirect damage due to the use of their tanks

TECHNICAL DATA

- Construction in composite material, vacuum cured, using Epoxy resin, Kevlar and Carbon Fiber
- Lamination with differentiated thickness in different areas for a better performance/weight ratio
- Additional internal coating with sealant resin
- Total Capacity approx.18 liters
- Total weight about 4 kg
- Predisposition to the fitting of the silencers by means of N°4 threaded M6 inox steel holes on each tank
- Individually tested with an internal pressure of 0.4 bar
- Each tank is provided of his own tap
- Supplied with mounting accessories: Aluminum alloy fitting brackets, Grommets, General tap, rubber hose resistant to gasoline, T-connectors and detailed installation instructions
- Plates for fixing the silencers are not included but available separately
- Supplied unpainted

All specifications are subject to change without prior notice