



ELF 4S EVOX



RACING FUELS & LUBRICANTS

TECHNICAL DATA SHEET

« Our formula use pure bases to guarantee naturally stable, long-lasting properties, consistent from one production batch to another. This search for constant and optimum quality ensures you obtain first class performance, in conformity with FIM and FIA regulations. »

USES

ELF 4S EVOX is an unleaded fuel especially designed for naturally aspirated **4-stroke engines** running with high compression rate

Optimized within the limits of FIA and FIM regulations, ELF 4S EVOX combines greater power and impeccable reliability with maximum performance tuning.

Particularly suited to competitions like:

- Superbike / Supersport
- MX/SX,
- Supermoto
- Hillclimb
- Rallycross
- Drift...

ELF 4S EVOX compliant with 2025 FIA appendix J (paragraph 9.1) and FIM 2025 category 2.

PROPERTIES

		Typical data	Unleaded 98
Octane number	RON	101,6	97,0 – 99,0
	MON	89,5	>85,0
Density at 15°C	kg/m3	736,0	720,0 – 775,0
Distillation	% v/v, at 100°C	67	46 - 71
Oxygen content	% m/m	3,60	< 2,70
Sulphur content	mg/kg	< 5,0	< 10,0
Lead content	g/L	< 0,005	< 0,005
Benzene content	% v/v	< 1,0	< 1,0

CHARACTERISTICS

CHARACTERISTICS	→	TECHNICAL ADVANTAGES	→	ENGINE BENEFITS
Optimized Octane number	→	Better resistance to knocking for controlled combustion	→	Better reliability under severe application (heat/ humidity) Allows work with optimised ignition timing Spontaneous power gains
Optimized Oxygen content	→	Natural booster effect High latent heat of evaporation helps cool mix before combustion Greater filling capacity through cooling of load	→	Spontaneous power gains (without special tuning). Power gains after optimization of ignition sequence. Excellent engine response in transient phase.
Selection of the best compounds and specially about olefins	→	High combustion speed for optimized cycle efficiency	→	Spontaneous power gains over the whole range

RECOMMENDATIONS

ELF 4S EVOX provides significant gains in power and reliability, with no fine-tuning.

Engine mapping and compression rate have to be optimised (Air/Fuel ratio, Ignition Timing...) to obtain full benefit from **ELF 4S EVOX**, as well as fuel flow rate should be tuned.

ELF 4S EVOX must not be used in 2-stroke engines.

Conservation : to maintain its original properties, in accordance with the Fuel Health and Safety regulations, **ELF 4S EVOX** should be handled and stored in the shade and sheltered from adverse weather conditions and must be perfectly sealed in its drum after each use, in order to avoid losing the lightest fractions.