

## KORSANTIN LD 100 G13

### 1. DESCRIPTION/APPLICATION

**KORSANTIN LD 100 G13** is a concentrated coolant liquid based on monoethylene-glycol, glycerin and corrosion inhibitor package (based on organic acids – OAT, without silicates), patented according to the Lobrid additive technology. The corrosion inhibitor package secures protection against freezing, overheating, corrosion and scaling, of all metal engine parts made from aluminium, brass, iron, steel and solder.

It does not contain potentially harmful additives, such as nitrites, amines and phosphates, which contributes to a safer environment. Developed to meet the most stringent criteria of engine manufacturers.

Dilute with water before use in accordance with the mixing table (page 2).

**KORSANTIN LD 100 G13** secures:

- Lasting effectiveness – 5 years
- Reliable protection against overheating
- Lower maintenance costs
- Excellent pump protection against cavitation
- Extends the operating life of the water pump, seals and radiator
- Compatibility with elastomers
- Excellent compatibility with hard water

### 2. PRODUCT QUALITY

Meets the following OEM specifications		Meets the following international standards		
Audi/Seat/Škoda	TL 774J (G13)	SRPS H.Z2.010	Type 1	pass
/VW/Porsche	TL 774G (G12++)	ASTM	D1384	pass
	pass	STN	66 8910	pass

### 3. PACKAGING AND DELIVERY

The product is delivered in original packaging. Each shipment is accompanied by a quality certificate.

**Plastic canisters:** 1L, 4L; **Metal drums:** 200L; **IBC containers:** 1000L; **Bulk:** yes

## 4. TYPICAL CHARACTERISTICS

Characteristics	Test method	Typical value
Appearance	visual	Transparent pink fluorescent liquid
Density (20°C), kg/m <sup>3</sup>	ASTM D 1122	1110 – 1170
Boiling point, °C, min.	ASTM D 1120 / SRPS H.Z8.058	175 – 190
Freezing point, °C, max. (mixture: KORSANTIN LD 100 G13 : H <sub>2</sub> O = 1:1)	ASTM D 1177 / SRPS H.Z8.053	-35 to -39
Refraction index	ASTM D 1218	1.439
Silicate content, %	ASTM D 6129	None
NaNO <sub>2</sub> , %	BS 3151 app. A and B	None

## 5. STORAGE AND HANDLING

### Storage

The product should be stored in dry, cool, well ventilated places, protected from direct atmospheric influence. Avoid heat sources and strong corrosion agents.

Weather conditions may damage labels on packaging. Excessive changes in ambient temperature may cause leakage. As the content expands and shrinks, water may be entrained through caps, although the drums are sealed.

If stored in an open area we recommend the following precautions:

- Lay the drums so that the caps are at 9:00 and 3:00 o'clock position so moisture penetration and seal drying is minimized.
- If the drums are vertically positioned, they should be slightly tilted to avoid water accumulation on the upper surface.
- Caps must be sealed tight. Before removing the caps, upper drum surface should be dried and cleaned to avoid lubricant pollution.
- Large tanks should preferably be used indoors with an outside breather line.

### Storage temperature:

Ambient. Exposure to temperatures above 35°C should be avoided.

### Recommended materials for storing:

Metal drums or polyethylene canisters.

### Materials that are not recommended:

Do not use packaging that contains zinc.

### Other information:

Polyethylene packaging material should not be exposed to high temperatures because of possible risk of distortion.

### Mixing table:

Freezing point, °C	Parts, vol % (Korsantin LD 100 G13 : water)
-40	50 : 50
-35	45 : 55
-28	40 : 60
-23	35 : 65