



MANNOL Antifreeze AG11 Longterm 4111

Concentrated antifreeze based on mineral inhibitors – IAT (Inorganic Acid Technology). Antifreeze intended for a year-round use in any modern cooling system for which the use of ethylene-glycol-based antifreeze is recommended.

Product properties:

- It ensures a reliable protection of metals and alloys (brass, copper, alloy-treated steel, cast iron, aluminium) from all forms of corrosion, as well as prevents a high-temperature corrosion of aluminium surfaces of modern engines. It provides sufficient anti-corrosion properties from the concentration as low as 30%;
- It protects from deposit formation;
- It has excellent heat conductivity properties and a resistance to foam formation;
- It is neutral to inserts and hoses, compatible with all types of rubber and plastic components of a cooling system;
- It does not contain nitrates, phosphates, amines (the NAP free technology).

Colour: blue.

Service life: no less than 5 years.

Comply with the manufacturer's instructions provided in the user's manual!

| Pour point, °C | Mix ratio, % | |
|----------------------|--------------|----|
| | | |
| -20 | 35 | 65 |
| | | |
| -29 | 45 | 55 |
| | | |

Specifications**Approval****Recommendation**

AFNOR FRANCE NF R15-601

ASTM USA D3306

BSI GB BS 6580:2010

VOLKSWAGEN TL 774 C

BMW GS 94000

CHRYSLER MS-7170

MAN 324 Typ NF

MINI GS 94000

MTU MTL 5048

OPEL GME L1301

TESLA

VAUXHALL GME L1301

PACKAGING

| | | | |
|-------|------------|-------------|------------|
| 5L | MN4111-5 | Plastic | |
| 1000L | MN4111-IBC | Pallet tank | |
| 208L | MN4111-DR | Drum | |
| 60L | MN4111-60 | Drum | |
| 20L | MN4111-20 | Plastic | |
| 10L | MN4111-10 | Plastic | |
| 1L | MN4111-1 | Plastic | 20 pcs/box |