

JNK BLUE

Extended Life Antifreeze/Coolant for Japanese and Korean Vehicles

PRODUCT OVERVIEW

PrixMax JNK Blue Extended Life Antifreeze/Coolant is an advanced antifreeze / coolant incorporating next generation phosphate-inhibited Organic Additive Technology (P-OAT) that is free of silicates, nitrites, borates and amines. Unlike some “universal” coolants, this coolant has been specifically developed to meet the chemistry requirements and performance specifications of Japanese and Korean vehicle manufacturers. This product exceeds the industry standards JIS K 2234-2006 Class II, ASTM D3306 and BS 6580, and is particularly recommended for Japanese and Korean vehicles requiring a blue coloured coolant.

PRODUCT BENEFITS

- Recommended for use in Honda®, Hyundai®, Infiniti®, Kia®, Mazda®, Mitsubishi®, Nissan®, Subaru® and Suzuki® vehicles
- Exceeds ASTM D3306 and JIS K 2234-2006 Class II industry standards
- Specifically developed for Japanese and Korean automotive and light duty vehicles
- Exceptional corrosion protection through a well-balanced hybrid inhibitor package
- Up to 5 years or 250,000kms of service protection
- Silicate, borate, nitrite & amine free
- Aluminium compatible
- Seal compatible
- Helps prevent premature water pump failure
- Hard water stable through a unique sequestering package
- Complete anti-freeze and anti-boil protection
- Available in concentrate and 50/50 premixed formulations

APPLICATIONS

PrixMax JNK Blue is recommended for use in Japanese and Korean vehicles.

SERVICE LIFE

Equipment Type	Maximum Service Life*
Passenger Cars and Light Commercial Vehicles	5 YEARS or 250,000KMS

*Whichever comes first, provided a complete flush and fill is performed, a concentration of 50% is maintained and specified use and maintenance directions followed. Routine visual inspections, coolant top-off and annual coolant testing are recommended to ensure maximum service life

Service life intervals can be extended when combined with our Coolcheck® scheduled laboratory coolant analysis service.

PERFORMANCE STANDARDS AND TESTING

PrixMax JNK Blue **meets or exceeds** the following coolant specifications and OEM standards:

- AS 2108-2004 Engine Coolant Type A
- ASTM D3306
- British Standard BS 6580:2010
- JIS K 2234-2006 Class II

TECHNICAL CHARACTERISTICS

Property	Method	Typical Results
Colour		Blue
pH (30% vol)	ASTM D1287	7.5
Density, g/ml, 20°C	ASTM D1122	1.116
Reserve Alkalinity (ml HCl 0.1N (inflection point))	ASTM D1121	15.6
Freezing Point °C (50% vol)		-37
Storage Stability		> 1 year

Values shown for PrixMax JNK Blue Concentrate. Technical Characteristics are typical of those obtained with normal production tolerance. Variations in product typical results are to be expected during normal manufacture.

MAINTENANCE

Recommended coolant concentrations

PrixMax JNK Blue Concentrate

PrixMax JNK Blue Concentrate provides year-round frost and corrosion protection. For optimum year-round protection against freezing, boiling and corrosion, a solution of not less than 50% by volume of PrixMax JNK Blue Concentrate in good quality water is recommended. The product is a concentrate and must be diluted before pouring into the cooling system, and must not be used at concentrations greater than 67% or less than 33%. The relationship between dosage rate and freezing/boiling protection offered by PrixMax JNK Blue Concentrate is illustrated as follows:

PrixMax JNK Blue Concentrate	Water	Freeze Protection	Boil Protection*
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1 part	1 part	-37°C	129°C
1 part	2 parts	-20°C	125°C

*with a 103 kPa radiator pressure cap

PrixMax JNK Blue 50/50 Pre-Mixed

PrixMax JNK Blue 50/50 Pre-Mixed should be used as manufactured. **No further dilution is recommended.**

General

- For true long-life protection, do not mix PrixMax JNK Blue with other coolant products as the extended life benefits will be reduced. PrixMax recommends that this product not be diluted by more than 15% with other coolant/antifreeze formulations.
- When changing to PrixMax JNK Blue always start off with a clean coolant system using PrixMax Radiator Flush or similar commercial cleaner at the change interval if previously using conventional coolants. After draining the cleaner, flush thoroughly with clean water. Inspect the cooling system. Make necessary repairs and tighten all hose connections.
- Always dispose of the used coolant in accordance with local, state and federal guidelines.
- Full technical support of the PrixMax laboratory is available through our comprehensive Coolcheck® scheduled coolant analysis program, which at least annually determines the overall condition of the coolant and cooling system.

STORAGE AND HANDLING

The product should be stored above -20°C and preferably at ambient temperatures. Periods of exposure to temperatures above 35°C should be minimized. PrixMax JNK Blue can be stored for minimum 1 year in unopened plastic containers without any effect on the product quality or performance. It is strongly recommended to use new dark and not recycled containers. As with any antifreeze coolant, the use of galvanized steel is not recommended for pipes or any other part of the storage/blending installation.

PACK SIZES

Part No	Type	Pack Size
JNKB-C5	Concentrate (Blue)	5 litre
JNKBPMIX-C5	50/50 Pre-Mixed (Blue)	5 litre
JNKB-P20	Concentrate (Blue)	20 litre
JNKBPMIX-P20	50/50 Pre-Mixed (Blue)	20 litre
JNKB-D205	Concentrate (Blue)	205 litre
JNKBPMIX-D205	50/50 Pre-Mixed (Blue)	205 litre

TOXICITY AND SAFETY

ENVIRONMENT, HEALTH and SAFETY Information is available on this product in the **Safety Data Sheet (SDS)**. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain the SDS for this product, please contact us.

CORROSION PROTECTION

JIS K2234-2006 Class II Metal Corrosion properties (30vol%, 336 hrs)

	Weight loss in mg/cm ²					
	Brass	Copper	Solder	Steel	Cast Iron	Aluminium
JIS K2234-2006 Class II (max)	0.15	0.15	0.30	0.15	0.15	0.30
PrixMax JNK	-0.05	-0.03	-0.13	-0.02	-0.12	0.01

JIS K2234-2006 Class II Circulating Corrosive Properties (30vol%, 1000hrs)

	Weight loss in mg/cm ²					
	Brass	Copper	Solder	Steel	Cast Iron	Aluminium
JIS K2234-2006 Class II (max)	0.30	0.30	0.60	0.30	0.30	0.60
PrixMax JNK	-0.07	-0.05	-0.03	-0.03	-0.02	-0.01

JIS K2234-2006 Class II Corrosion property of Cast Aluminium at heat transfer surface (25vol%, 168hrs)

	Corrosion Rate in mg/cm ²
JIS K2234-2006 Class II (max)	2.0
PrixMax JNK	-0.1

ASTM D1384 Glassware corrosion test (33vol%)

	Weight loss in mg/coupon*					
	Brass	Copper	Solder	Steel	Cast Iron	Aluminium
BS 6580 (max)	10	10	15	10	10	15
ASTM D3306 (max)	10	10	30	10	10	30
PrixMax JNK	2	2	4	0	-12	-0.01

*Weight loss AFTER chemical cleaning according to ASTM procedure. Weight gain is indicated by a negative sign.

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