



## RAVENOL HJC- Protect FL22 Concentrate

AMINE - SILICATE - FREE

RAVENOL HJC Hybrid Japanese Coolant Concentrate is an ethylene-glycol based, proven coolant without phosphates, nitrites, amines and silicate. The product is formulated as a long-term coolant based on a proven inhibitor development.

It is no longer just the anti-freeze effect (which automatically exists in an ethylene-glycol based product) which is critical for the quality of a coolant, but also the rust protection.

Therefore automakers subject coolants to long corrosion and cavitation tests.

RAVENOL HJC Hybrid Japanese Coolant Concentrate protects the cooling system from corrosion, frost, and in the summer from overheating.

### Application Notes

RAVENOL HJC Hybrid Japanese Coolant Concentrate with frost and rust protection. Use according to the mixing chart. Follow manufacturer's recommendations.

Even in summer coolant must contain enough antifreeze to ensure good corrosion and overheating protection.

**Instructions:** Clean cooling system, check for leaks, flush.

Mix RAVENOL HJC Hybrid Japanese Coolant Concentrate with fresh water (per mixing chart) and add. Allow engine and heater to warm up, add coolant to fill level.

Mixing chart:

Antifreeze protection to approx.	Parts antifreeze	Parts water
- 12°C	25 %	75 %
- 20°C	35 %	65 %
- 37°C	50 %	50 %

### Quality Classifications

RAVENOL HJC Hybrid Japanese Coolant Concentrate is tried and tested for aggregates specifying:

#### Specifications

MAZDA FL22 Coolant, FORD WSSM97B55 (Motocraft Speciality Green Engine Coolant), FORD VC-10-A2, Nissan Anti-freeze Coolant (L250), Nissan KE90299934, KE90299944, Nissan KLD4100002EU, KLD41-00002, 999MP-GTRT00P, Hyundai Long Life Coolant, Hyundai 07100-00200, 07100-00400, 00232-19010, Mazda 000077508E20, C122CL005A4X, C100CL005A4X

#### Characteristic

RAVENOL HJC Hybrid Japanese Coolant Concentrate offers:

- Excellent for light metal engines
- Good reserve alkalinity
- High-quality corrosion additives for optimal corrosion protection
- Elastomer compatible with elastomers used in automotive radiators

Characteristics	Unit	Data	Audit
Colour		grün	visual
Density at 20°C	kg/m <sup>3</sup>	1132	EN ISO 12185
Flash point	°C	100	DIN 51 758
Boiling point	°C	150	ASTM D 1120
pH-value (50 %, 20°C)		7,8	ASTM D 1287
Reserve alkalinity	ml 0,1n HCl	min. 15	ASTM D 1121
Water content	Gew.-%	5	ASTM D 1123
Freezing point (50 %-Lösung)	°C	-35	ASTM D 1177

All indicated data are approximate values and are subject to the commercial fluctuations.

All information correspond to the best of our knowledge to the actual situation of the cognitions and our development. Subject to alterations. All references made to DIN-norms are only for the description of the goods. There is no guarantee. In case there will be any problems please contact the technical service.

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