



## RECO-COOL HD EXPERT EXTRA 50% Pre-Diluted Antifreeze/Coolant

**Ready-to-Use premium quality 50% Pre-Diluted Antifreeze/Coolant that has been tested to be compatible with all automotive and light duty truck antifreeze/coolant products available in the market today.**

Reco-Cool HD Expert EXTRA 50% Pre-Diluted Antifreeze/Coolant is based on Recochem's proprietary hybrid organic acid technology and has been specifically designed for complete mixed fleet use. It can be used in all makes and models passenger vehicles, light duty and heavy duty diesel applications. Reco-Cool HD Expert EXTRA 50% Pre-Diluted not only guards against freezing and boil-over, it also provides critical protection against corrosion.

### Applications

Reco-Cool HD Expert EXTRA 50% Pre-Diluted Antifreeze/Coolant is a low silicate, organic additive, ethylene glycol based, extended service product, which is free of phosphates, borates, nitrites and amines. It will provide extended protection against rust, corrosion and pitting caused by cavitation for all coolant system metals, including aluminium. It also provides protection against wet sleeve liner cavitation and is compatible with the flux found in controlled atmosphere brazed (CAB) radiators.

Reco-Cool HD Expert EXTRA 50% Pre-Diluted Antifreeze/Coolant offers excellent protection against temperature extremes, preventing freezing and boiling when used with no additional water. This product does not impart any significant colour change if mixed with another engine coolant. The superior performance and stability of Recochem's premium extended life corrosion inhibitors allows them to go on working well beyond the lifetime of traditional products. As sold it is ready to use - **do not add water.**

### Performance Features and Benefits

When Reco-Cool HD Expert EXTRA 50% Pre-Diluted Antifreeze/Coolant is added as an initial fill and properly maintained in accordance with engine manufacturer's maintenance recommendation, it will provide up to 250,000km (150,000 miles) or 5 years of service life protection in automotive application and up to 1,000,000km (600,000 miles) or 6 years of service life protection in heavy duty diesel use.

- Complete mixed fleet use; automotive, light and heavy duty diesel
- Borate, nitrite, amine and phosphate free
- Add as top-up to any colour antifreeze
- Protects coolant system metals such as brass, copper, solder, steel, cast iron and aluminium
- Protects against wet sleeve liner cavitation
- Enhanced water pump performance
- Fully compatible with inorganic, hybrid and organic acid coolant technologies
- Compatible with CAB radiators
- Extended service life



## Specifications and Approvals

Recommended applications:

General Motors

Ford

Honda

Chrysler

Mercedes-Benz

Toyota

VW

Nissan

Hyundai

Suitable in mixtures with all major coolant types for service fill

Reco-Cool HD Expert EXTRA 50% Pre-Diluted Antifreeze/Coolant has been fully tested and meets and exceeds ASTM D-3306. It passes fully the following coolant tests:

ASTM D-4340 Hot Service Aluminium Protection

ASTM D-1384 Corrosion Protection

ASTM D-2809 Water Pump Cavitation

ASTM D-1881 Foaming Characteristics

ASTM D-2570 Metal Protection

## Health & Safety

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from your Recochem representative.

### Protect the Environment

Take used coolant products to an authorised collection point. Do not discharge into drains, soil or water.

### Extended Shelf Life

When stored undercover, away from moisture and direct sunlight, this product should be suitable for use for up to two years after manufacture.

## Typical Physical & Chemical Characteristics

Reco-Cool HD Expert EXTRA 50% Pre-Diluted Antifreeze/Coolant	Performance	Test Method
Appearance, visual colour	Pale Yellow	Visual
Specific Gravity (15.6°C)	1.070-1.08	ASTM D 1122
Freeze Point (50% by vol)	-37°C	ASTM D 1177
pH (50% vol)	7.5-9.0	ASTM D 1287
Reserve Alkalinity (ml 0.1N HCL)	2.0 Min	ASTM D 1121
Foam volume (ml)	150 Max	ASTM D 1881
Foam break time (seconds)	5 Max	ASTM D 1881
Glycol Content (wt. %)	50 Min	
Chloride (ppm)	25 Max	ASTM D 3634
Silicon as silicate (ppm)	250 Max	ASTM D 6130
Boron (ppm)	<10	
Phosphorus (ppm)	<10	

These characteristics are typical of current production. Whilst future production will conform to Recochem's specification, variations in these characteristics may occur.