

TECH TIPS

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ARE ALL COOLANTS THE SAME?

The short answer is no! Coolants come in many different forms to suit many different applications.

The easiest way to explain is to use the analogy of *'Does one Engine oil, Brake Fluid or Transmission Fluid suit all vehicles?'* Obviously not, even though specific products will cover a group of applications no single product can cover the entire car park. The exact same principle applies to coolants.

Do not fall for the 'One Fits All' marketing strategies being pushed to drive sales! PLAY IT SAFE... Buy what suits your specific application.

WHAT ARE THE DIFFERENT TYPES OF COOLANTS?

CONVENTIONAL: Groups of Chemicals specifically formulated to protect certain metals within the cooling system

ORGANIC: Long Life carboxylate technology.

HYBRID: Organic with the addition of conventional chemical technologies

ANTI-FREEZE CONCENTRATES: High Content Ethylene Glycol formulations (Typically higher than 95%).

INHIBITOR CONCENTRATES: Water Based Coolant Concentrates.

ORGANIC - WHAT DOES IT ALL MEAN?

Generally this refers to the branch of chemistry that this group of coolants come from. Organic technology uses one or more of the family of organic acids in the manufacture of coolants. These acids are neutralized and form metal carboxylates which protect your vehicles cooling system. Organic coolants are characterized as long life Coolants.

DO COOLANT COLOURS MATTER?

Essentially no. Basically all coolant is transparent, but manufacturers generally use colour as a way of differentiating coolant into its type or specification. No specific coloured coolant is technically better than another.

IS PRICE A GOOD INDICATOR OF QUALITY?

A coolant is made to do a job. You will tend to pay more for a high end antifreeze, than you would for a straight inhibitor, but both will perform equally well in their specific application. This again reiterates the fact of choosing the right coolant for the right application. But at the same time, it's always best practice to be using a quality endorsed product which can actually quantify that what is on the label is actually in the bottle and that it actually does meet manufacturers specifications.

FLUSHING? HOW OFTEN?

It's always best practice to flush before you fill. Flushing not only cleans your engine, but also prepares the metal surfaces for the new coolant. It also gives the coolant its best chance of functioning to its maximum potential, and not having to work against a dirty system that can shorten coolant life. Generally, once you have identified the right coolant, your best investment is actually spending \$10 on a quality flush that will do a job which will provide benefits for years.

WHAT IS THE FUTURE TREND OF COOLANTS?

Manufacturers are asking for increased service life for coolants, and this represents challenges for manufacturers. Also, the introduction of higher levels of Magnesium in automotive engines presents a new paradigm for manufacturers in the future, and one that Tectaloy Performance Coolants is currently working on at their state of the art R&D facility in Sydney.

TECTALOY
PERFORMANCE COOLANTS

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**RECOMMENDED
COOLANTS FOR
YOUR RIDE**



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1. Tectaloy V Plus Orange is specifically manufactured to meet the performance requirements of GM6277M. This product is recommended as a replacement or top up coolant for the Holden 5.7lt Gen III V8 (LS1), 6lt (LS2) 2004 onwards AlloyTec V6 engine and wherever a longlife organic coolant is recommended. Tectaloy V Plus Orange is also suitable for use in all high performance, high load applications. This distinctive fluorescent orange colour of this product clearly identifies it as an organic 5yr service life coolant.

2. Tectaloy Xtra Cool Gold & Red are the latest in heavy-duty inhibitor concentrates. Based on second generation organic inhibitor technology, Tectaloy Xtra Cool Gold & Red will provide 60,000 km protection when mixed with TAP WATER and 100,000 km protection when used with demineralised water. Recommended for all vehicles not requiring Anti Freeze protection.

3. Tectaloy 100 Plus is a pre-mixed 50% Anti Freeze/Anti Boil, ready to use second generation organic radiator coolant. Formulated for heavy duty long life use, it is designed to offer the maximum cooling system protection possible. Ideally suited to late model, high performance vehicles. 4 years or 100,000kms.

4. 90 Plus is a pre-mixed, 33% Anti Freeze/Anti Boil, ready to use conventional style radiator coolant. Formulated for heavy-duty use, it is designed to meet increased demands placed on passenger vehicles today. Ideally suited to modern multi valve engines working under increased loads. Offers 3 years or 40,000 km protection.

5. Tectaloy Hi-Load Red has been specifically designed and formulated to meet the punishing demands of today's modern high tech alloy engines. Tectaloy Hi-Load Red is suitable for use in vehicles wherever a long-life organic style coolant, used at between 25% and 50% is specified. Tectaloy Hi-Load Red is Phosphate, Borate, Silicate, Nitrate, and Amine free, and will not harm hoses or plastic components. Distinctive Red in colour, Tectaloy Hi-load Red will provide 4 years or 250,000kms protection for your vehicles engine.

6. Tectaloy Mukowt is an ideal cooling system cleaner and pre-conditioner for use prior to filling with conventional anti freezes, coolants and inhibitors. It's gentle acting alkaline solution is very effective at removing oil and sludge.

For further information contact Tectaloy Customer Service on 1800 816 132.