

Universal Coolant

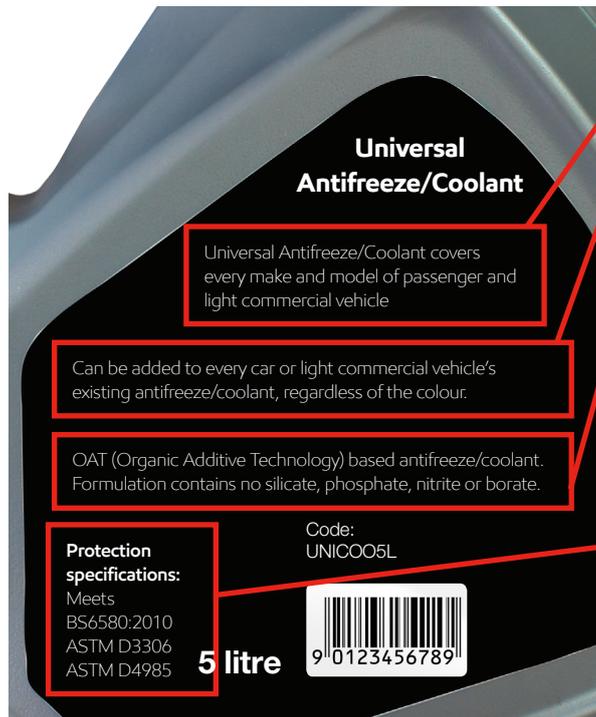
Why a 'Universal Coolant' is not truly universal

When selecting the correct antifreeze/coolant for a vehicle, it's important to remember that there are 4 types of modern antifreeze/coolant for the European passenger vehicle market:

- 1 Silicate technology based product
- 2 OAT (Organic Additive Technology) based product
- 3 Silicated-OAT based product
- 4 Nitrite containing product

There are products in the market place that may claim to be suitable for 'every make and model'. This is simply not true because one product cannot be a combination of all the above technologies.

What to look out for on these so-called 'Universal' coolants:



Vehicle Coverage: This cannot cover 'every make and model' as major vehicle manufacturers specify the use of different antifreeze/coolant types. For instance BMW & Mercedes-Benz specify the use of silicate based coolants in the majority of models, whereas modern Volkswagen Audi Group (VAG) vehicles specify the use of a Silicated-OAT antifreeze/coolant.

Technology Type: If the product states it is "silicate, nitrate, phosphate and borate free" - it is therefore an OAT based product that will not be suitable for applications requiring one of the other three technologies.

Specifications: These specifications are simply the standards for Mono Ethylene Glycol (MEG) based antifreeze/coolant.

They do not offer any further classification of a coolants additive technology type, which is what differentiates commodity coolants from modern vehicle manufacturer approved coolants.

ASTM D3306: Standard Specification for Glycol Base Engine Coolant for Automobile and Light-Duty Service.

ASTM D4985: Standard Specification for Low Silicate Ethylene Glycol Base Engine Coolant for Heavy Duty Engines Requiring a Pre-Charge of Supplemental Coolant Additive (SCA).

BS 6580:2010 Specification for corrosion inhibiting, engine coolant concentrate

Using a 'Universal Coolant' could invalidate your vehicle warranty or overheating / corrosion issues could occur if used in the wrong vehicle

Mobil Antifreeze/Coolants product line goes far beyond 'meets specifications' as it is vehicle manufacturer approved

Mobil Antifreeze /Coolant	BS 6580 2010	ASTM D3306	ASTM D4985
Mobil Ultra G40	✓	✓	
Mobil Advanced G30	✓	✓	✓
Mobil Extra G48	✓	✓	✓
Mobil Heavy Duty G05	✓	✓	