

## Evans Coolant Power Cool 180 - Group Buy #1

Posted by CarBen Fibre Creations - 2013/06/11 10:23

---

Would anyone be interested in Evans Coolants, these coolants are proven to work better in high performance cars. Information below:

POWER COOL 180°

Waterless Coolant for:  
High performance cars

Boiling Point:  
Above 180°C

Antifreeze Properties:  
Protects below -40°C

Benefits:  
Improves Combustion, Maximizes BHP, Prevents Boil-Over

Corrosive Properties:  
Eliminates corrosion and erosion

Life Span:  
Protects for life

Toxicity:  
Non-Toxic

Power Cool 180° is a waterless engine coolants formulated for all types of motorsport. The unique properties of Evans have been embraced by professional racing teams

No Water Means...  
No Overheating  
Power Cool 180 has a boiling point of 180°C and will not boilover.

More BHP  
Power Cool 180 eliminates premature detonation associated with overheating.

No Corrosion  
Water contains oxygen, oxygen allows corrosion. Power Cool 180 eliminates corrosion.

No Pressure  
Power Cool 180 allows your cooling system to run at a lower pressure, reducing the strain on engine components.

No Liner Pitting  
Power Cool 180 generates significantly less pitting when compared with all water based coolants.

## The Science Behind Evans

[http://www.evanscoolants.co.uk/images/nucleate\\_boiling.png](http://www.evanscoolants.co.uk/images/nucleate_boiling.png)

### No Overheating

Traditional water based coolants regularly cross the thermal boundary that separates Efficient Nucleate Boiling (A) from Inefficient Critical Heat Flux. CHF leads to localised film boiling (B) and steam bubbles circulating throughout the cooling system, which often results in overheating and combustion issues. Evans Waterless Coolants boil above 180° C ensuring effective cooling and efficient fuel burn is maintained for all engine loads and ambient air temperatures.

### More BHP

When water-based coolants vapourise adjacent to the combustion zone, hot-spots are formed. These hot-spots have been proven to cause pre-ignition in petrol engines and detonation issues in diesel engines. Evans Waterless Coolants eliminates hot-spots and subsequently improve combustion efficiency and increase power delivery.

### No Corrosion

Water is the root cause of corrosion in all cooling systems, via oxidation (rusting) and galvanic (electrolytic) action. Evans coolants do not contain dissolved oxygen and have a much lower conductivity (increased resistivity) compared with water-based coolants. Subsequently replacing water with Evans non-aqueous solution eliminates corrosion and the need to periodically refresh or replenish the coolant.

### No Pressure

Water requires additional (cap) pressure to prevent it boiling within the engine. This additional pressure can vary between 7psi and 29psi (0.5 Bar to 2 Bar) which places significant stress on cooling system components, including hoses, gaskets and radiators. Evans Waterless Coolants generate much lower pressures, in the region of 4psi, and therefore reduces strain on all components.

### No Liner Pitting

Liner pitting is primarily caused by the rapid formation and collapse of small steam bubbles on the metal surface. Over several years this process can lead to severe surface erosion and deep liner pitting. Evans Waterless Coolants are not prone to forming vapour bubbles and proven, by SAE trials, to virtually eliminate surface erosion and pitting.

RRP for the coolant is:

25 Ltr - £299.75

5 Ltr - £64.95

2 Ltr - £29.95

Group Buy Prices:

1-5 = 5%

25 Ltr - £299.75 = £284.77

5 Ltr - £64.95 = £61.71

2 Ltr - £29.95 = £28.46

5-10 = 10%

25 Ltr - £299.75 = £269.78

5 Ltr - £64.95 = £58.46

2 Ltr - £29.95 = £26.96

10+ = 15%

25 Ltr - £299.75 = £254.79

5 Ltr - £64.95 = £55.21

2 Ltr - £29.95 = £25.46

Prep Fluid

RRP:

5Ltr - £39.95

2Ltr - £15.99

Prices will be 10% off any Prep Fluid

Plus £12.50 shipping to any UK address.

How to change to Evans Coolant

You simply do two coolant changes. Drop out the current water based coolant, fill the system three quarters full (minimum) of Prep Fluid, run it up to temperature for around 25 minutes to allow the thermostat to open up and turn the heater on to let the Prep fluid into the heater matrix, the Prep will then absorb the water based coolant that remained after initial drainage. Drop the Prep fluid out and keep it in a sealed container as it can be used again, three times in total before it loses its hygroscopic capabilities. If you are going to use it again, filter it through a cloth or an old pair of tights as it will also extract any loose gunk or scale that has previously built up over time. Fill up with the new coolant.

If you are interested add your name to the list below in this format please, I have this group buy over a lot of forums so need to keep track of who is where.

Name / Coolant Amount / Forum Name

Thanks guys

Ben

[www.carbenfibrecreations.co.uk](http://www.carbenfibrecreations.co.uk)

=====

**Re: Evans Coolant Power Cool 180 - Group Buy #1**

Posted by CarBen Fibre Creations - 2013/06/11 15:31

---

I feel I should stress that this is a coolant for life, once the conversion has been completed to Power Cool 180 you'll never need to change it again :)

=====

**Re: Evans Coolant Power Cool 180 - Group Buy #1**

Posted by Infamous - 2013/06/11 16:15

---

I saw a thing about this a while back on Jay Lenos garage on youtube, looks like great stuff.

=====

**Re: Evans Coolant Power Cool 180 - Group Buy #1**

Posted by CarBen Fibre Creations - 2013/06/11 16:17

---

It is, I have a new rad and some samco hoses on order. Once I have them in the Scooby I'll be adding this coolant then it'll never need to be changed again :)

=====