

## ACE BluEarth-A AE-50

Extreme Grip with environmental performance



### Secure Grip on Rainy Days

AE-50 special compound that elicits exceptional maneuverability

**Use of Double Silica**

BluEarth-A tyres employ two types of high-quality silica with different properties. This optimizes the compounding ratio to achieve both superb wet and fuel-efficient performance.

**Fuel SAVING** **Wet GRIP**

Image

Double silica

**Orange Oil**

**Wet GRIP**

**BLEND Polymer**

Features sufficient wear resistance.

**Wear resistance** **Wet GRIP**

Fuel SAVING

Long MILEAGE

Wet GRIP

nano BLEND

Lightning grooves provide a sense of reassurance on rainy days

**Lightning grooves**

The tyres employ big and small lightning type grooves. YOKOHAMA also increased block rigidity and expanded the groove volume, thus ensuring a sense of reassurance when driving on rainy days.



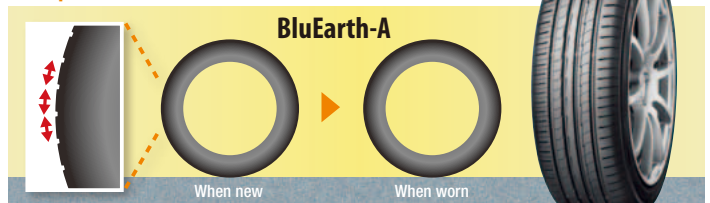
### Quietness for a More Comfortable Ride

Innovative, new "noise-controlled pitch" ensures a consistently quiet ride

Large pitch variation



Small pitch variation



### Total Balanced Performance

AERO dynamic technology reduces air resistance

**Asymmetrical tread pattern**

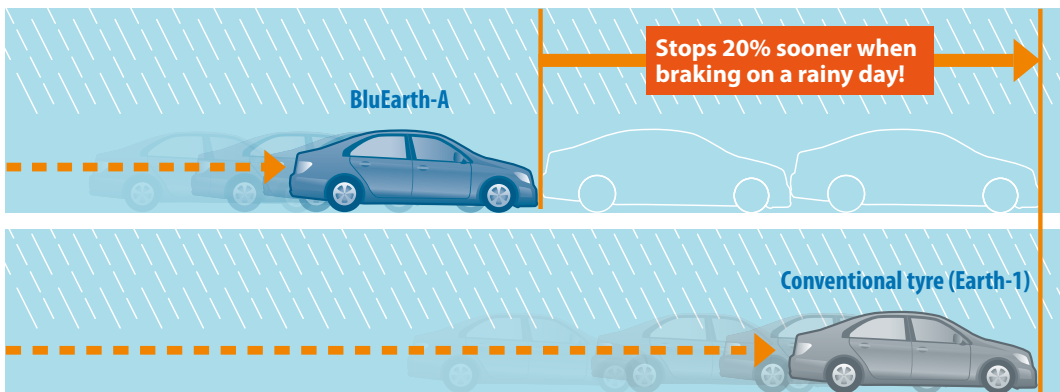
The inner side of the tyre includes sipes on the shoulder to suppress uneven wear. The outer side of the tyre incorporates wide non-penetrating grooves on the shoulder block to realize enhanced stability when cornering.

**Dimples on shoulder**

A dimpled design on the shoulder reduces tyre air resistance. This contributes to greater fuel-efficient performance.

## Brake test on rainy day (comparison with conventional tyre)

The 20% difference in braking distance significantly contributes to safety when braking under extreme conditions.



### Test conditions

#### <Test location>

YOKOHAMA test course (circuit)

#### <Test conditions>

Tyre size: 205/55R16 91V (EP400/AE50), Rim size: 16 x 6.5J, Air pressure: 200kPa, Load weight: Equivalent to two occupants, Vehicle: Golf VI (ABA-1KCAx, 1400cc), Speed: 120km/h

Inch	Series	Dimensions	Approved Rim Width (inch)	Inch	Series	Dimensions	Approved Rim Width (inch)
17	40	245/40R17 91W	8-9.5	16	60	175/60R16 82H	5-6
		205/45R17 88W	XL 6.5-7.5			195/60R16 89H	5.5-7
	45	215/45R17 91W	XL 7-8			205/60R16 92H	5.5-7.5
		225/45R17 94W	XL 7-8.5			215/60R16 95H	6-7.5
	50	205/50R17 93V	XL 5.5-7.5			225/60R16 98H	6-8
		215/50R17 91V	6-7.5			65	205/65R16 95H
	225/50R17 94W	6-8	55		185/55R15 82V		5-6.5
	55	205/55R17 91V			5.5-7.5	195/55R15 85V	5.5-7
		215/55R17 94V	6-7.5		60	185/60R15 84H	5-6.5
	225/55R17 97W	6-8	195/60R15 88H			5.5-7	
16	45	195/45R16 80W	6-7.5	65	185/65R15 88H	5-6.5	
		205/50R16 87V	5.5-7.5		195/65R15 91H	5.5-7	
	50	185/55R16 83V	5-6.5		205/65R15 94H	5.5-7.5	
		195/55R16 87V	5.5-7	14	65	175/65R14 82H	5-6
	205/55R16 91V	5.5-7.5	185/65R14 86H			5-6.5	
	215/55R16 93V	6-7.5					

XL = Extra Load

\*Tyre sizes actually being sold differ by region.

\*Tyre sizes differ by region. Please contact your local car dealer for details.

### User Information

- Never mount a tyre on a rim that is damaged or which has been repaired by welding or brazing.
- Never inflate beyond 280kPa (2.8bar, 40psi) to seat beads. After beads are fully seated, never exceed the maximum tyre pressure indicated on the sidewall.
- Inflation should be done in a safety cage.
- Do not mix tyres of different size designation or construction on the same axle, except for limited use of temporary spare tyres.
- Rim diameter should be the same as the rim diameter code of the tyre.
- Make sure to follow instructions in the car owner's manual or on the vehicle tyre information placard in the car to maintain proper tyre pressure.
- Never bleed or reduce air pressure when tyres are hot from driving.
- Over- or under- inflation is dangerous and could lead to accidents or tyre damage.
- Check tyre inflation pressure (including spare tyre) at least once a month and before every long trip.
- Stones, gravel and other foreign objects stuck in the tyre tread may damage the tyre. Remove foreign objects from the tyre tread.
- Tyres should only be mounted by professionally trained persons.

### Never use a tyre under the following conditions:

- If the tread has worn to the treadwear indicator.
- If a break in the fabric appears.
- If cords or wires are exposed.

Replace such a tyre immediately under any of the above conditions.

### Storage of steel belted radial tyres:

- Store unmounted tyres indoors in a dry location.
- Never expose unmounted tyres to moisture.

To preserve traffic safety YOKOHAMA recommends driving substantially slower under adverse weather or road conditions.

Construction and specifications are subject to change without notice.