

# BORAL<sup>®</sup> MACS-ASH<sup>®</sup>

## modified class c fly ash

Improve your road performance. *Boralize it.*<sup>SM</sup>

## High **quality** road construction material.



### Product Description

Boral MACS-ASH<sup>®</sup> is a synthetic aggregate that has numerous applications as a construction material. Derived from Class C fly ash, MACS-ASH is a manufactured product that meets Georgia Department of Transportation specifications. MACS-ASH is a product resulting from an innovative state-of-the-art patented process/machine called the Mobile Ash Conditioning System (MACS<sup>®</sup> machine). The MACS process blends controlled quantities of Class C fly ash to produce a consistent aggregate. Both the MACS machine and MACS-ASH are unique to Boral. The low dust characteristics of MACS-ASH allow for easy transport and installation.

### Major Benefits

MACS-ASH can be transported in dump trucks, loaded with a front-end loader and easily handled with standard construction equipment at the project site. Since MACS-ASH has some cementitious value, its use as graded aggregate base will result in higher compressive strengths than traditional base courses. MACS-ASH can also be blended with the existing soil to produce a quality base.

In soil modification projects, MACS-ASH may improve soil properties including increased strength, increased California Bearing Ratio (CBR) values and reduced swell potential.

### Features

- *Minimizes dust*
- *Can be easily transported and handled*
- *Retains cementitious reactivity*
- *Increases strength in soils*

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## Enhance road performance.

### Applications

In applications where dusting is a concern, Boral MACS-ASH<sup>®</sup> is an appropriate alternative to the use of dry fly ash. MACS-ASH is also effective for drying saturated soils to accommodate strict time-scheduled construction.

MACS-ASH is an effective cementitious binder for the stabilization and solidification of liquid waste products, hydrocarbon sludge and/or certain organic and many inorganic wastes.

MACS-ASH can be used as an alternative to natural aggregate bases in all types of road and parking lot construction. It has been used extensively in traditional six inch base course and part of blended base courses.

Proper testing should be performed with the specific materials to be treated to assure appropriate performance.

### Quality

Samples are tested at Boral's accredited testing laboratory and at independent testing laboratories to ensure quality and consistency.

### Boral Power Materials Group

The Boral Power Materials Group works closely with the Boral Technology Development Group to identify potential markets and applications for CCPs produced by coal-fired power generating plants. The Power Materials Group currently markets CCPs as cost effective alternatives to traditional materials in a wide range of applications.

For more information about our full line of products, contact your Boral Power Materials representative.



*MACS-ASH minimizes dust and allows for easy handling, mixing and compaction at the job site. The low-dust environment can reduce construction time and costs.*

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