

## **Waste coal ash utilized in concrete**

Ceracrete Technologies Inc., a subsidiary of Environmental Solutions Inc. based in the United States, has developed technology to convert ash and scrubber residue into a high-performance repair material. 'Ceracrete' has about 50 per cent coal ash content and offers several benefits over traditional concrete including:

- Use of recyclable materials;
- Low porosity and permeability;
- Wide temperature range for effective curing and rapid set time;
- Non-potable water is used, thereby helping potable water conservation;
- No problematic emissions or leachates; and
- Recyclability.

Ceracrete products would be very effective in high-performance programmes such as highway infrastructure and bridge repair. The rapid cure characteristics, bondability and superior engineering properties of Ceracrete render it highly suitable for developing a family of products designed for the rapid repair market segment. Ceracrete can also be used in conjunction with Seabees, an erosion control product developed by Environmental Solutions, to fabricate support structures. *Contact: Ceracrete Technologies Inc., 5711, Staples Mill Road, Richmond, VA 23228 5442, the United States. Tel: +1 (804) 2647 445.*

*Website: <http://www.buscom.com/letters/wttnpromo/wttn/wttn.htm>*