



School of Engineering and Information Technology UNSW Canberra

Green Construction and Building Materials

Turning industrial wastes into green construction materials



HOW?

A new green construction and building material is designed and developed by using industrial wastes. High volume fly ash—a by-product of coal industry is used to replace part of the cement and bagasse fibre, a by-product of sugar cane industry is used.

WHY?

- Use of less cement
- Green, environment friendly and sustainable with significantly reduced air pollution
- Comparable or better material properties than conventional concrete material in short term and long-term

The Future....

A promising
construction
material to replace
concrete!