

ACO Product Support

ACO channel drainage



SUSTAINABLE USE
OF MATERIALS



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Efficient use of material resources is a key contributor to sustainability in construction. ACO KerbDrain®, ACO RoadDrain® and all ACO channel ranges have been carefully designed to maximise strength while minimizing material use.

In addition to the new geometric design of ACO products reducing the amount of material required, all ACO KerbDrain®, ACO RoadDrain® and all ACO channel ranges are now manufactured from a patent pending recycled material:

Vienite® is a new polymeric based recycled material that contains post consumer waste previously destined for landfill in the UK.

Vienite® is a highly durable material that meets all the high performance flexural and compressive strength characteristics to ensure ACO KerbDrain®, ACO RoadDrain® and all ACO channel ranges meet all the requirements of BS EN 1433:2002 and the BSI Kitemark.

Vienite® is recyclable, ie. it can be collected, processed and returned for re-use as raw material.



VERIFYING SUSTAINABILITY FOR DRAINAGE PRODUCTS



QUANTIFIABLE SUSTAINABILITY

Recycled content is of a consistent and controllable composition. A Kitemark is the only way of being sure the product has been manufactured using consistent quality of recycled material.

Product has verifiable recycled content. The product claims should be supported with a verifiable percentage of recycled material as a percentage of the mass of the product.

The product is Recyclable. A manufacturer should provide a supportable or quantifiable claim as to how the product can be processed and returned for re-use as raw material.

Full BS EN 1433:2002 marking. This ensures the product meets the Life Cycle requirements.



QUESTIONABLE SUSTAINABILITY

No BS EN 1433 or Kitemark. Without these there is a high risk of uncontrolled or variable quality material being used. This will result in inconsistent product strength and performance.

Life Cycle Assessment (LCA) Products manufactured using material not covered by the BS EN 1433:2002 are likely to provide a shorter life cycle which will consequently impact the environmental assessment. BS EN 1433:2002 is the only way of ensuring an acceptable LCA.

Even when high percentages are claimed - BS EN ISO 14021:2001 states 'It is not always the case that a higher percentage recycled content does necessarily imply a lower environmental impact'.

Recycled content. Can the manufacturer substantiate the claim?

Recyclable claims. Beware of any claims made with regard to the product being recyclable without adequate qualification.



For further information on this subject and other guides please contact the ACO Water Management Sales Office.

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