

Environmental Data

Product:	Derbigum	Ref:	ED002FR
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Derbigum is a BBA accredited APP modified bitumen dual reinforced waterproofing membrane system used on all types of roof deck to form cold, warm, inverted and green roof constructions. It is used in a single or multilayer format on new or refurbished roofs with a choice of application methods and surface finishes.

Materials

Derbigum manufacture utilises elements of waste material from the plastics and petrochemical industries as well as post production returns. All additional Derbigum flat roof system components are procured and developed under Alumasc's responsible sourcing policy for raw materials and in accordance with their ISO14001:2004 Environmental Management System accreditation.

Manufacture

Derbigum is produced under strict environmental controls in a progressively developed production plant, including an ever increasing content of post consumer recycled material. Manufacturing procedures are independently audited to the highest attainable EMAS system and have been registered under the ISO14001 Environmental Management System since 1999. This has not only ensured that upstream production processes have been monitored for their environmental impact, but that due consideration is taken for all aspects of packaging, transport and disposal, in order to deliver as sustainable a construction product as practicable.



Derbigum warm roof

BREEAM Credits

Derbigum high performance waterproofing membrane contributes to a very good generic rating in the Green Guide to Specification dependent on the roof construction into which it is incorporated. This can range from an 'A+' rated warm roof construction on timber and metal decks through to a 'D' rated inverted build up incorporating concrete. The choice of substrate will greatly influence the final construction rating with most warm roof constructions achieving an 'A+' or 'A'. In addition, Derbigum in its own right scores highly as a responsibly sourced and manufactured product when assessing construction materials as a whole. Insulations used as standard in Derbigum roof build ups carry an 'A' summary rating, with a Zero Ozone Depletion Potential (ODP) and a Global warming Potential (GWP) of less than 5. This will contribute maximum credits as part of a BREEAM assessment. Further BREEAM credits would also be available for its use as part of an Alumasc ZinCo green roof construction.

Recyclability

End of life recycling is currently available for both the waterproofing membrane and for some of the insulation elements. Advances are continually being made in the use of recycled material during production processes.

Life Expectancy

Derbigum waterproofing membrane has a BBA accredited real life expectancy of over 30 years, based on historic project evidence. This greatly enhances the product's cradle to grave embodied energy figure relative to systems with shorter lifespans. This also results in the removal of the appreciable costs, both environmental and monetary, of product replacement.

Ecological information

Derbigum contains no toxic substances and performs excellently (A+) when assessed from cradle to grave for effects on water quality (eutrophication) and water and ground contamination (ecotoxicity).