



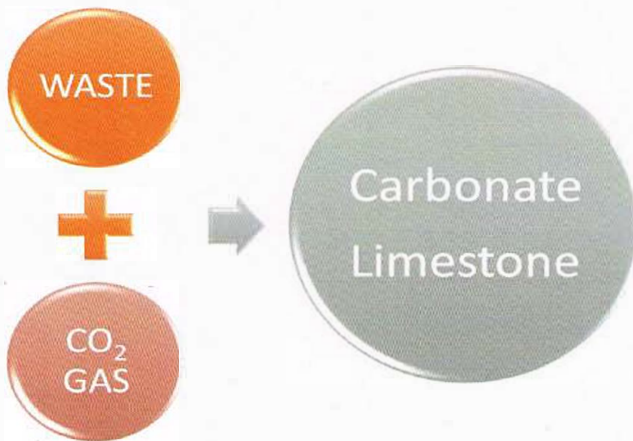
Carbon8

the world's only carbon negative aggregate

What is ACT and C8Agg?

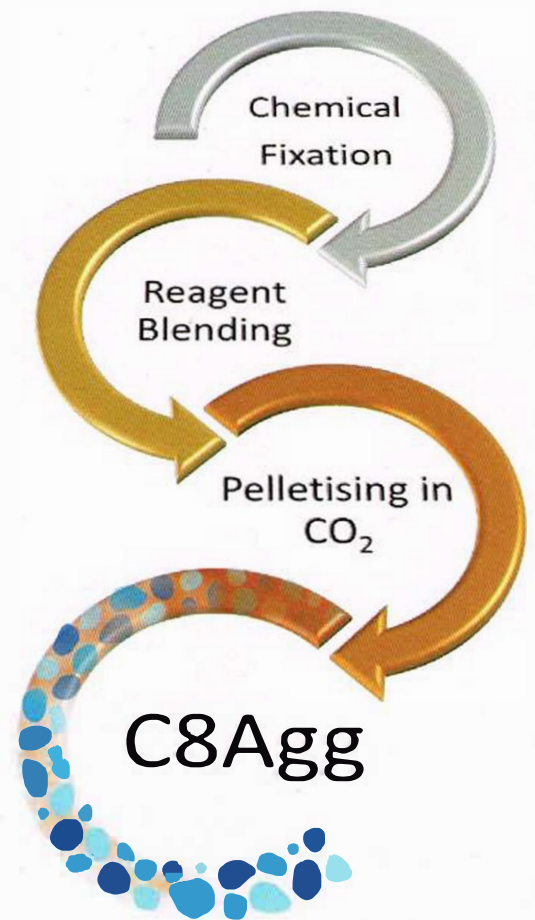
ACT or Accelerated Carbonation Technology is a patented process that uses carbon dioxide gas as a resource to treat a wide range of industrial wastes.

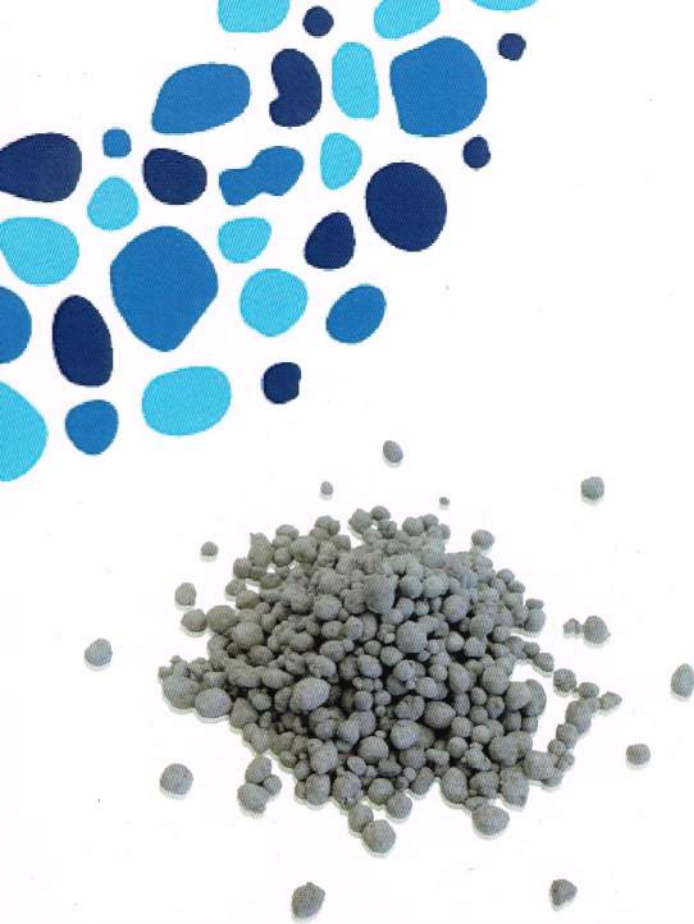
Many thermal wastes react naturally with carbon dioxide, resulting in the formation of carbonates or artificial limestone. So, in simple terms, ACT is a natural process that has just been accelerated.



During the process, significant volumes of carbon dioxide are permanently captured. Not only does this help with the binding of the materials, but importantly chemically stabilises and encapsulates contaminants.

The material is then blended and pelletised to form a rounded aggregate (**C8Agg**) that has a number of applications in construction.





Carbon Negative Aggregates



C8Agg is Carbon Negative. More CO₂ is permanently captured during the process than used in its manufacture



C8Agg is cost effective against traditional alternatives



For every tonne of C8Agg used, 1.4 tonnes of natural aggregate is saved



C8Agg is a lightweight aggregate and is available in various sizes and gradings



Tested against BS EN 13055, BS EN 1097 and BS EN 1744

Every thousand tonnes of C8Agg produced captures the same amount of carbon as planting 4000 trees every year

Applications



BLOCKS: comply with British Standard BS EN 771-3



CONCRETE: tested against BS12620 in a range of applications



SCREED: can be used in floor screeds including no-fines concrete



AGGREGATE: use in traditional applications - bound and unbound



C8Agg was used to create the world's first carbon negative concrete block

...sustainability without compromise

national
recycling
awards 2013

winner



Winner 2013



CONCRETE BLOCK
ASSOCIATION

Concrete Block Association Member



British Precast Member



Certificate Number: 11259

ISO 9001

ISO 14001

OHSAS 18001

