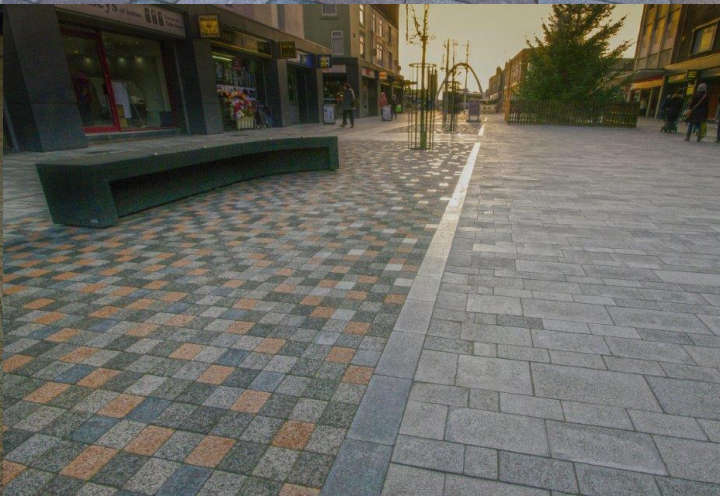


Kellen CERO - Low CO₂ Paving



Kellen CERO - Low CO₂ Paving

Globally, cement accounts for approximately 8% of all CO₂ emissions. Kellen CERO is combatting this problem by replacing a binder that has 50% less carbon content, removing the need of use of cement.

Geopolymer technology uses an alkaline activator and secondary raw materials to produce exactly the same Kellen block that has been used in the last 12 years and has produced some of the most exemplary public spaces throughout the UK and Ireland.

60 plan sizes – 291 colours – 5 textures – Low Carbon

Traditional Concrete

Water is mixed with cement (binding agent) and granulate (sand & gravel), fillers and aggregates.



Sand & Gravel



Water



Cement



Sand & Gravel






**Water & Alkaline
Activator**



**Fly Ash or Blast
Furnace Slag**

Environmental Benefit of Using Kellen CERO

Scheme Size	UK Concrete Average (34kg CO ₂ /m ²)	STANDARD KELLEN (29kg CO ₂ /m ²)	Kellen CERO (9.4kg* CO ₂ /m ²)	Equivalent reduction in cars on the road per year (based on UK Average Emissions).
500m ²	17t of CO ₂	14.5t of CO ₂	8t of CO ₂	
2500m ²	85t of CO ₂	72.5t of CO ₂	40t of CO ₂	
5000m ²	170t of CO ₂	145t of CO ₂	80t of CO ₂	

For more information about Kellen CERO click [here](#).

*Figure based on 80mm Lavarro CERO – Other Finishes data available upon request.