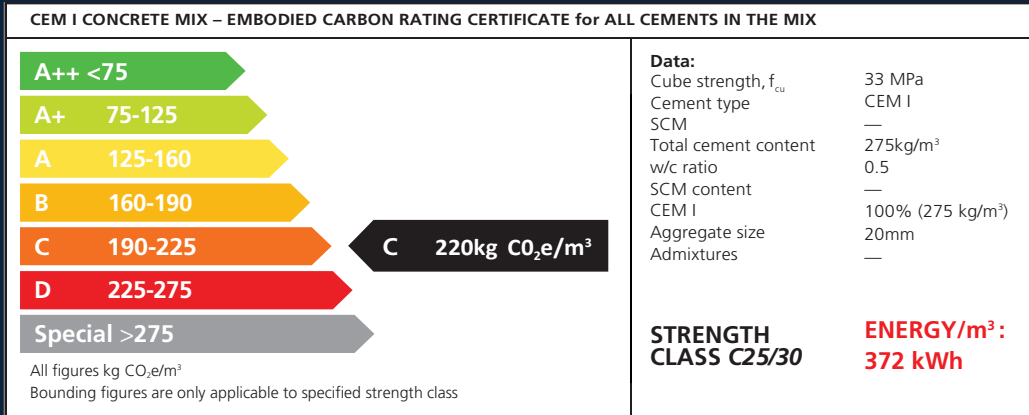
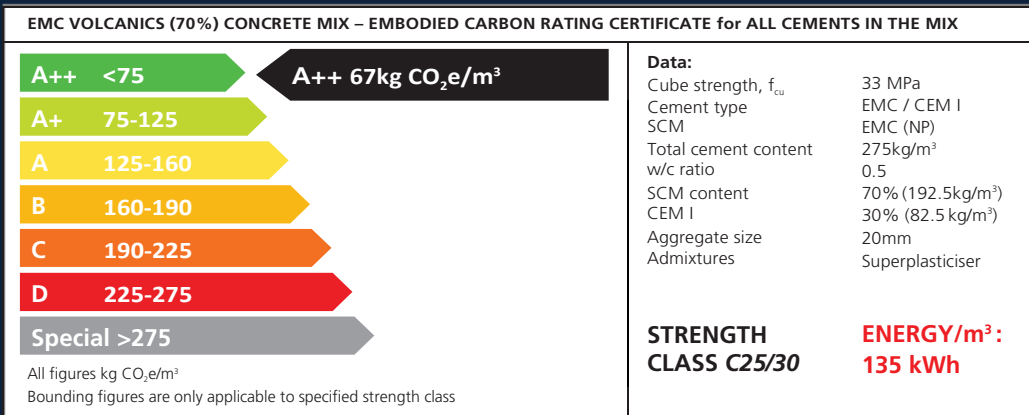


Both at 275kg cement per cubic metre concrete:

CEM I concrete mix:



EMC Volcanics mix:



The results speak for themselves. Per cubic metre of concrete:

CEM I mix:

220kg CO₂ and 372 kWh

70% EMC Volcanics mix:

66kg CO₂ and 135 kWh

Figure: Simulated CO₂ rating showing the embodied CO₂ per cubic metre of concrete for the mixes indicated, according to I.C.E colour schemas. The only difference between the two tables are the proportions within the "total cement" metric. As can be seen, the upper figure represents a rating for a concrete mix for EN class CEM I cement, the lower figure for a concrete mix comprising 70% EMC Volcanic/30% CEM I. As explained below, the tables also represent a good faith approximation of the most CO₂-favourable rating that can be given to concrete made from purely CEM I cement for **90-95% of a typical ready-mix market.**