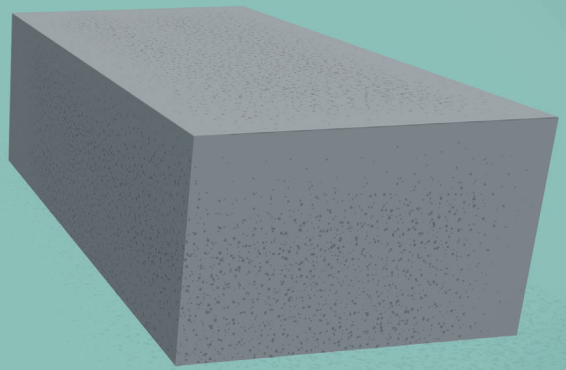
WHAT IS AIRCRETE?

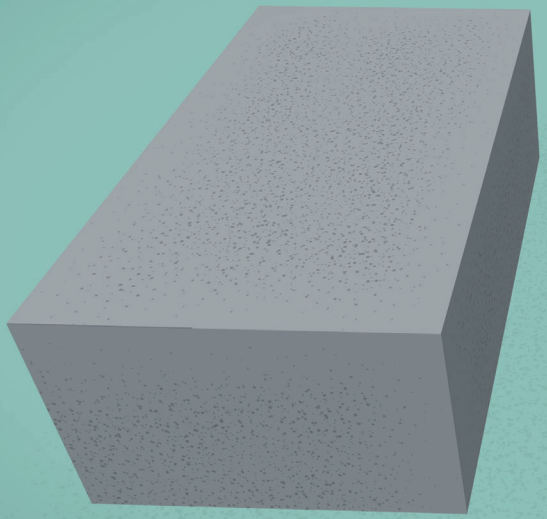
H+H
PARTNERS IN WALL BUILDING



WHAT IS AIRCRETE?

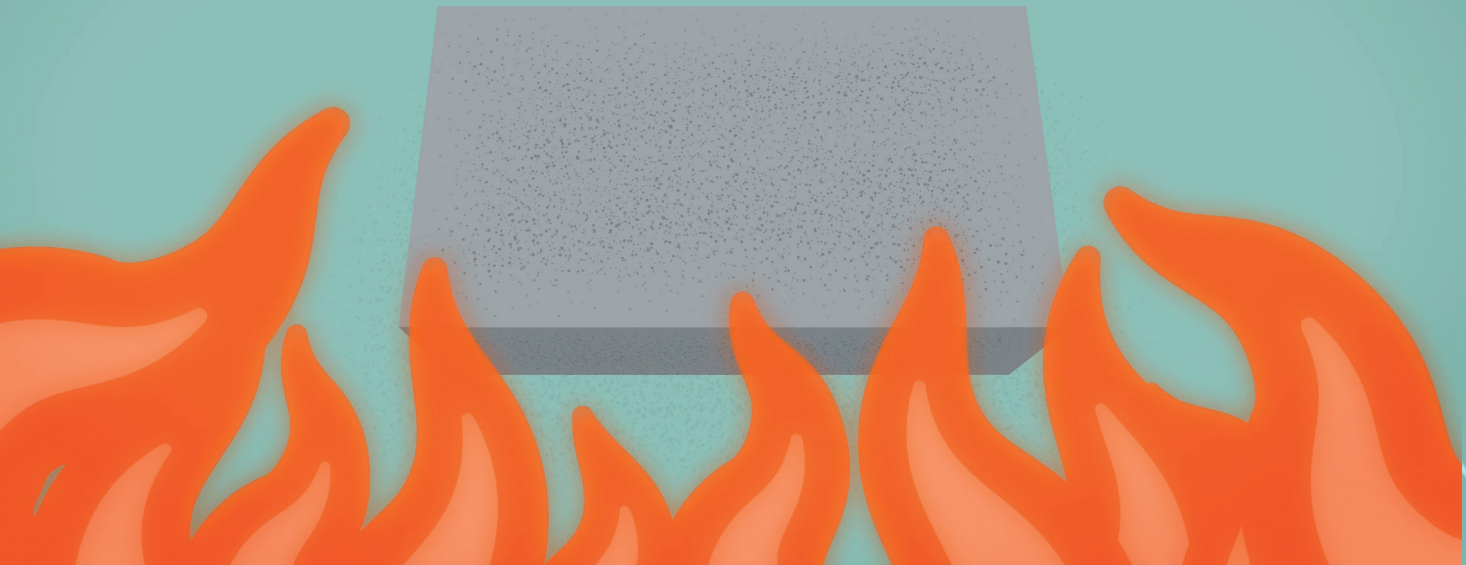
IT'S A TYPE OF **CONCRETE** THAT IS...



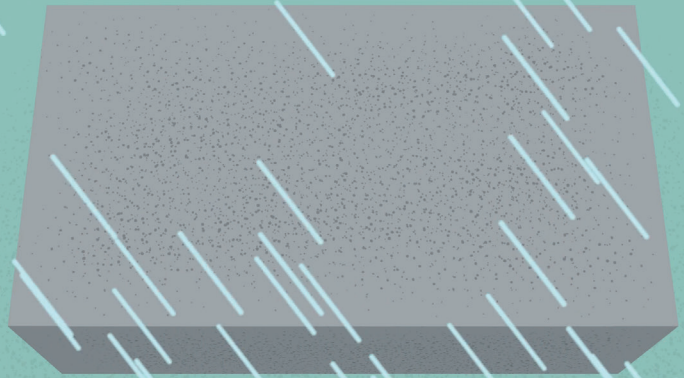


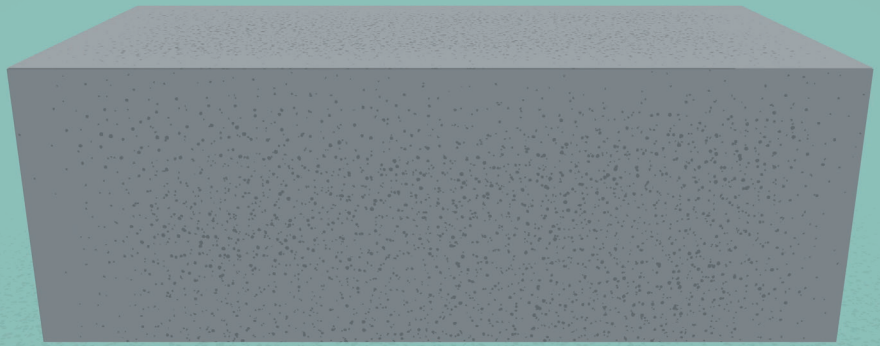
LIGHTWEIGHT BUT VERY STRONG

AIRCRETE PRODUCTS DON'T BURN



ARE RESISTANT TO WATER





AND WON'T ROT, WARP OR DECAY

H+H AIRCRETE IS MADE USING...

CEMENT, LIME, WATER AND PULVERISED FUEL ASH (PFA)

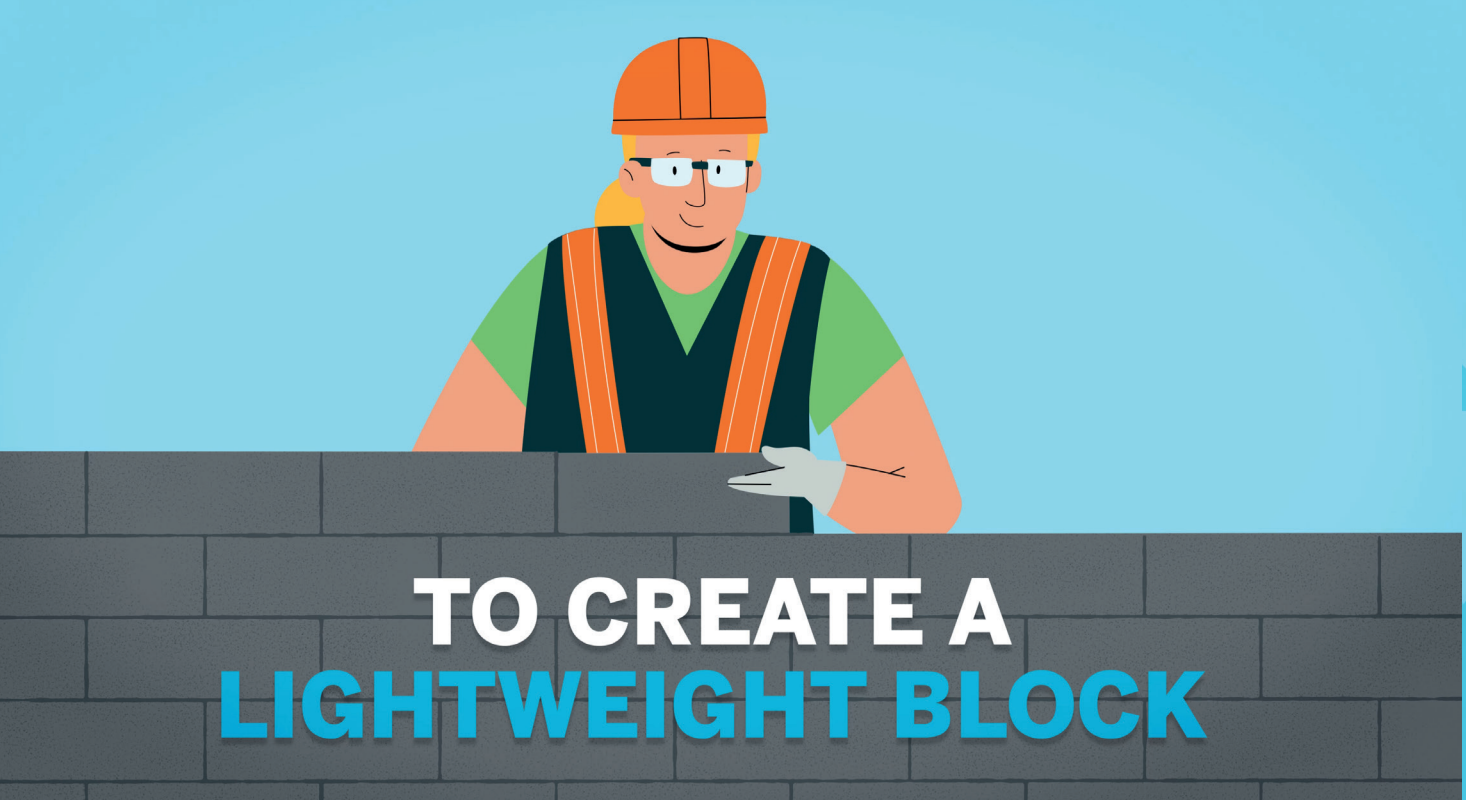

WITH A DASH OF
ALUMINIUM POWDER

ALUMINIUM CAUSES A CHEMICAL REACTION

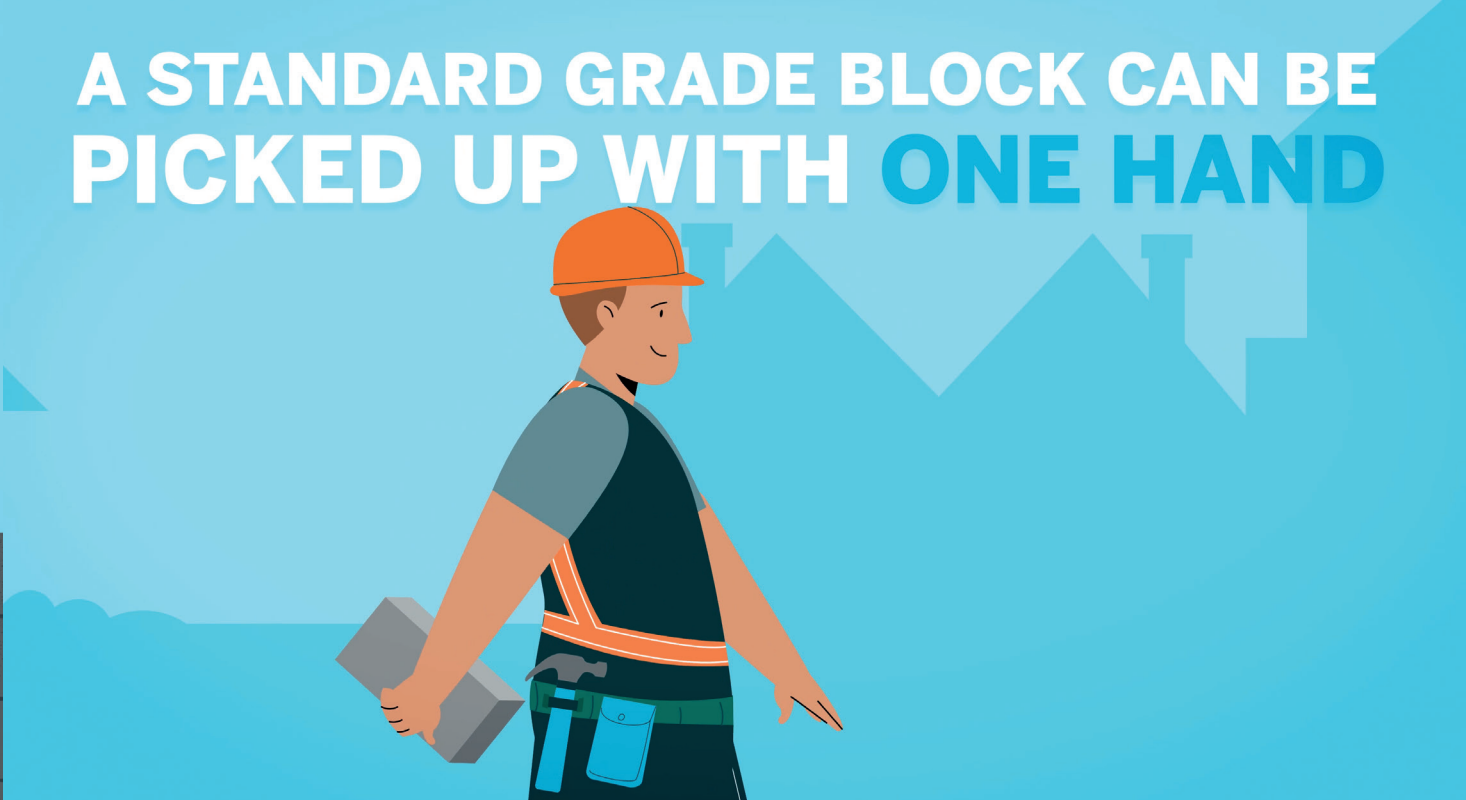


THAT FORMS
MILLIONS OF
BUBBLES



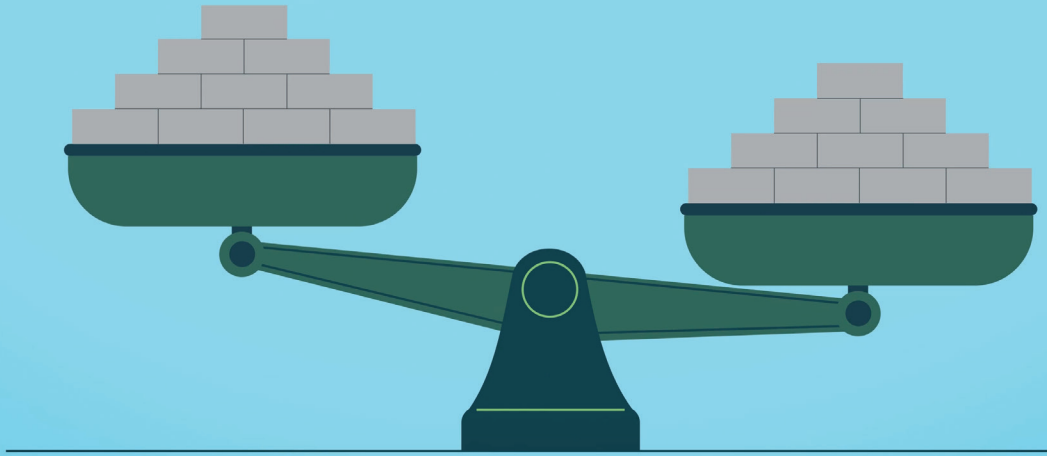

TO CREATE A
LIGHTWEIGHT BLOCK

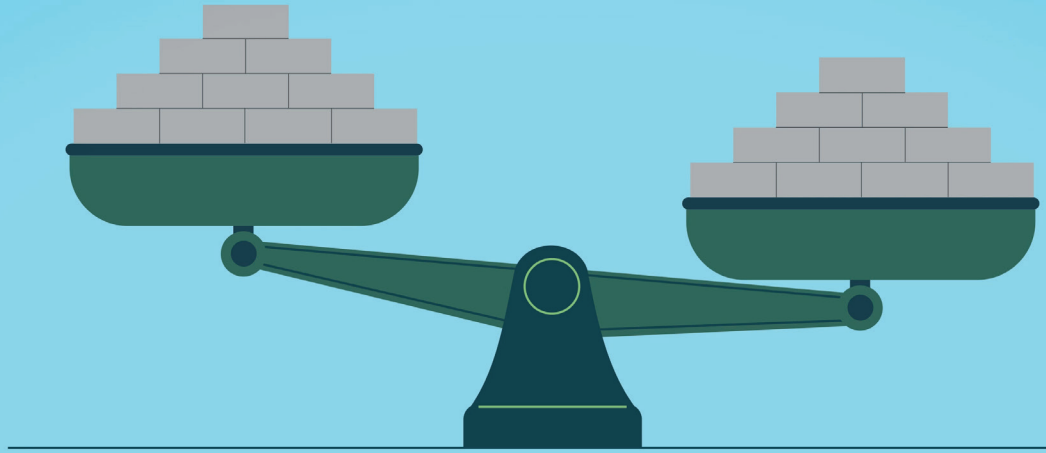
A STANDARD GRADE BLOCK CAN BE PICKED UP WITH ONE HAND



AND WEIGHS 12KG LESS THAN AN EQUIVALENT DENSE CONCRETE BLOCK

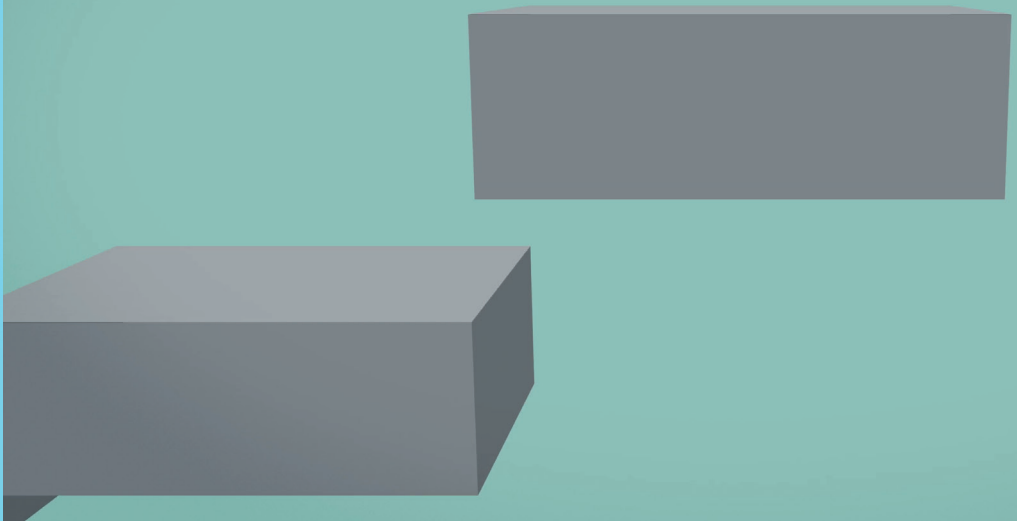
6KG LESS THAN A TYPICAL LIGHTWEIGHT AGGREGATE BLOCK





THAT'S A LOT LESS LIFTING ON SITE

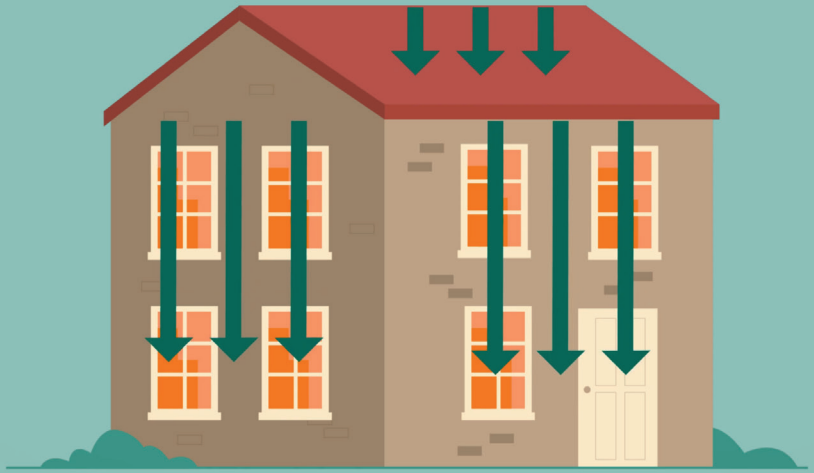
AIRCRETE BLOCKS ARE USED TO BUILD...



LOADBEARING WALLS

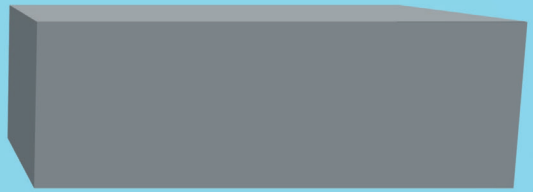


THEY SUPPORT THE
VERTICAL LOAD FROM

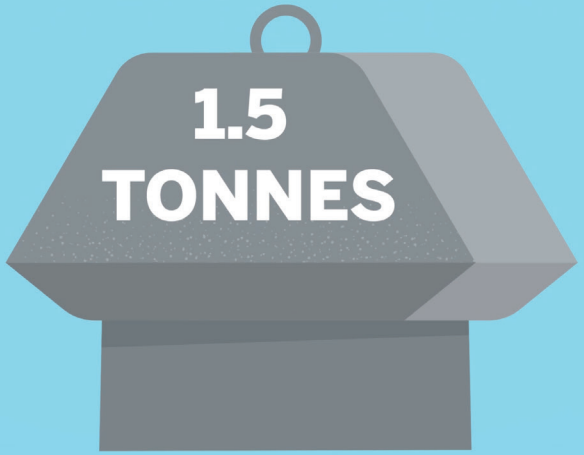


THE FLOORS AND ROOF OF A HOUSE

FOR A TYPICAL
TWO STOREY HOUSE
EACH INDIVIDUAL
BLOCK...



IS EXPECTED TO
SUPPORT UP TO



AIRCRETE BLOCKS ARE ACTUALLY

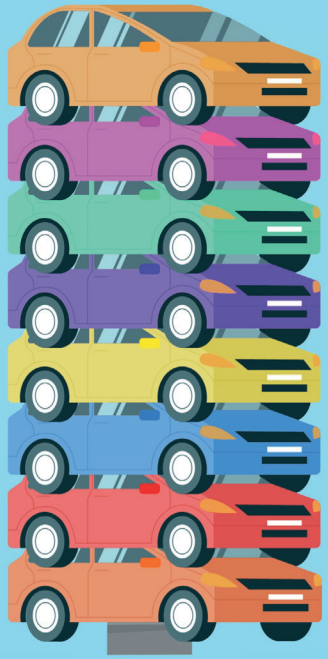
STRONG ENOUGH



TO TAKE A LOAD

FAR GREATER THAN REQUIRED

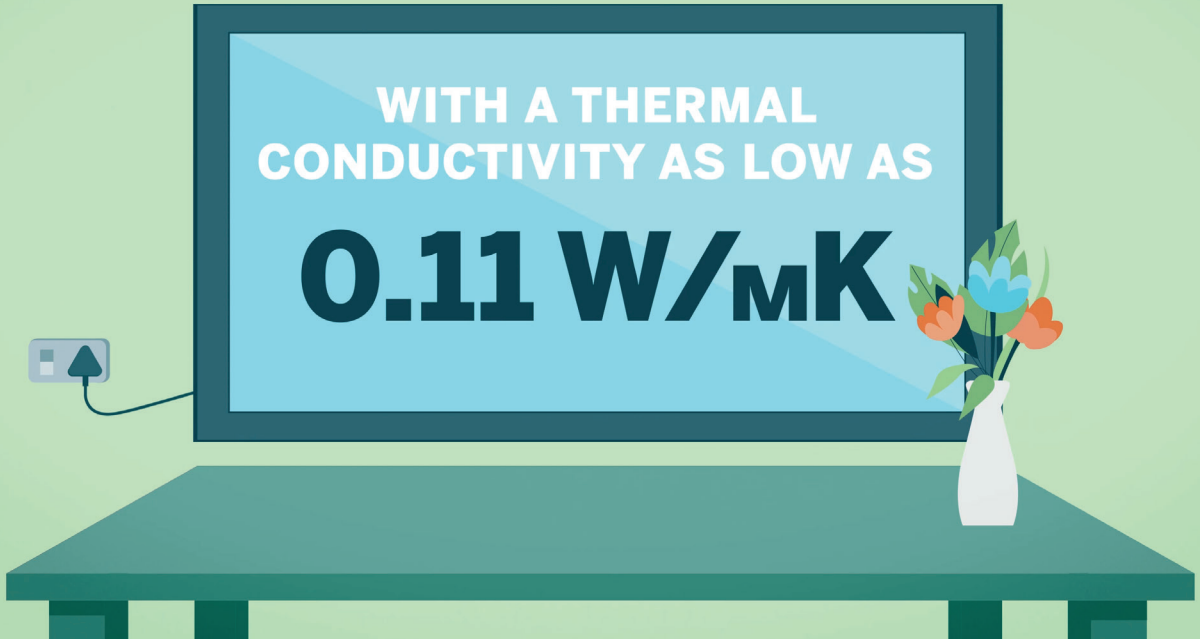
A STANDARD 100MM BLOCK WILL TAKE A LOAD OF 16 TONNES

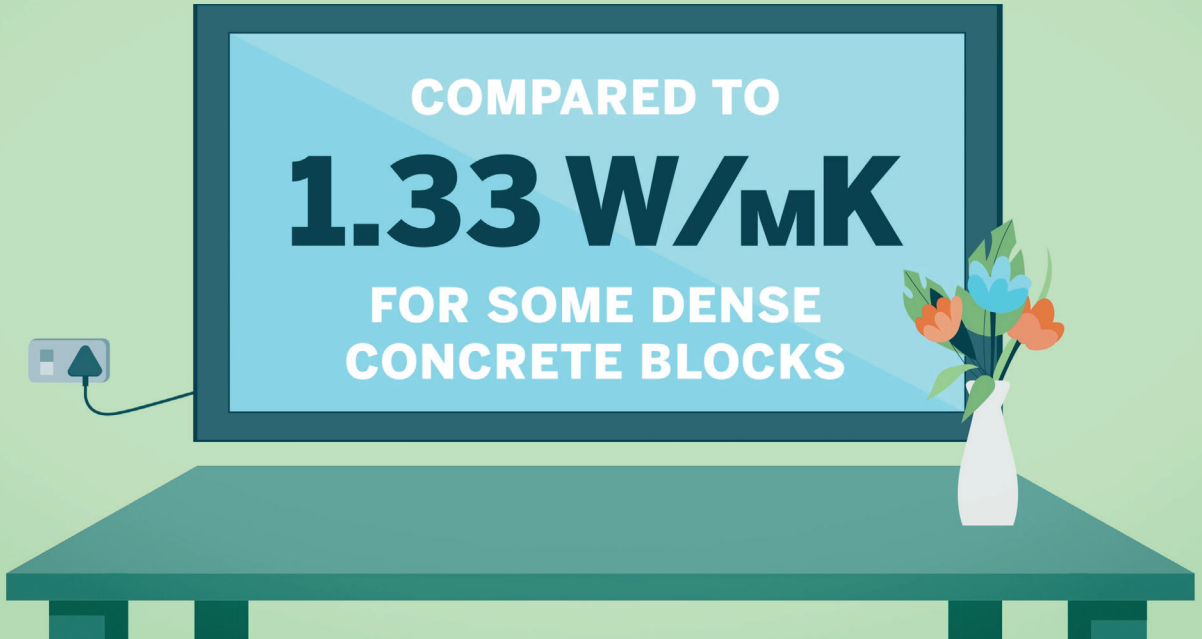


THE EQUIVALENT OF EIGHT CARS

AIRCRETE BLOCKS ARE HIGHLY THERMALLY EFFICIENT




WITH A THERMAL
CONDUCTIVITY AS LOW AS
0.11 W/mK


COMPARED TO
1.33 W/mK
FOR SOME DENSE
CONCRETE BLOCKS

AIRCRETE WALLS HELP TO MEET...



STRINGENT ENERGY EFFICIENCY STANDARDS

(SUCH AS PASSIVHAUS)



WITH AN EXPECTED

LIFESPAN OF

150

YEARS



WITH AN EXPECTED

LIFESPAN OF

150

YEARS



HOUSES BUILT FROM AIRCRETE WILL STAND THE TEST OF TIME



WITH AN EXPECTED

LIFESPAN OF

150

YEARS



VIEW VIDEO

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