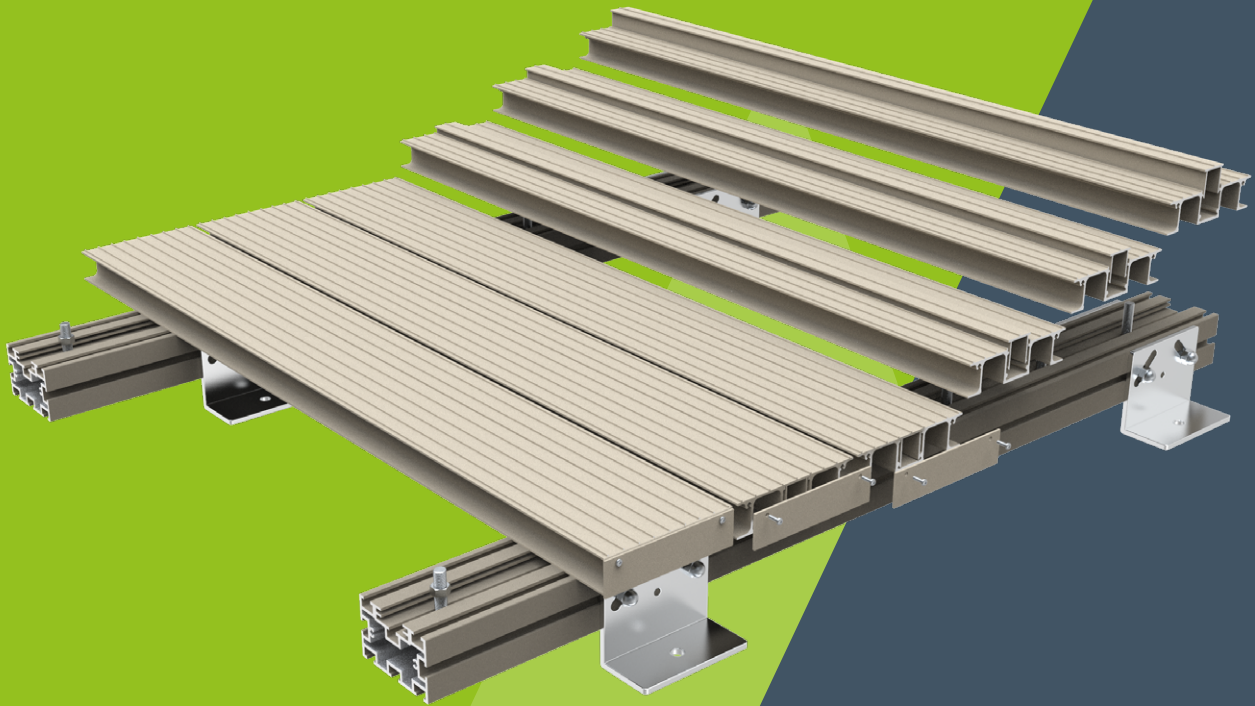


TIME & MOTION STUDY

AliDeck Balcony Board with Low Joist



 **ALIDECK™**
Aluminium Decking

Date: 2nd October 2019 - Operatives one person only

EXPLANATION OF TASK:

To perform a time and motion study on an example concrete balcony installation of 2 metre long x 1 metre projection (2m x 1m), using the 20mm or 30mm boards with Low Joist and Adjustable Pedestal brackets.

And to install Low Joist (spaced at 500mm centres) with adjustable Angle Brackets at 900mm apart. We have simulated the underside of the Concrete balcony with a concrete floor.

Then to install 8 30mm boards with our recommended 5mm minimum gap between the boards. The process was photographed using a smartphone and screen shots were captured during the installation for evidence.

CONDITIONS:

The study was performed indoors onto a concrete floor.

WORKING HEIGHT:

The height of the platform from floor was 80mm

PLATFORM SIZE:

1m x

LABOUR SIZE:

1 Man

TOOLS REQUIRED:

2 cordless drills, 1 13mm deep reach socket spanner, 1 10mm drill bit, 1 5mm drill bit (pilot bit), socket

COMMENCEMENT TIME OF STUDY:

18.06 pm

COMPLETION TIME OF STUDY:

19.18 pm

DURATION OF THE STUDY:

1 hour 12 minutes (Including drilling of the deck boards at 2.5 minutes per board) Adjusted duration time of the study if the machined board option were to be installed: 52 Minutes in total.

There are 2 options below, the 20mm board needs to be supported at 495mm centres and the 30mm board needs supporting every 1 metre, hence it is quicker to install the 30mm board.

20MM BALCONY BOARD

Total time Per Square Metre = 26 minutes for a one-man team with the 20mm boards

30MM BALCONY BOARD

Total time Per Square Metre = 21 minutes for a one-man team with the 30mm boards

1



2



3



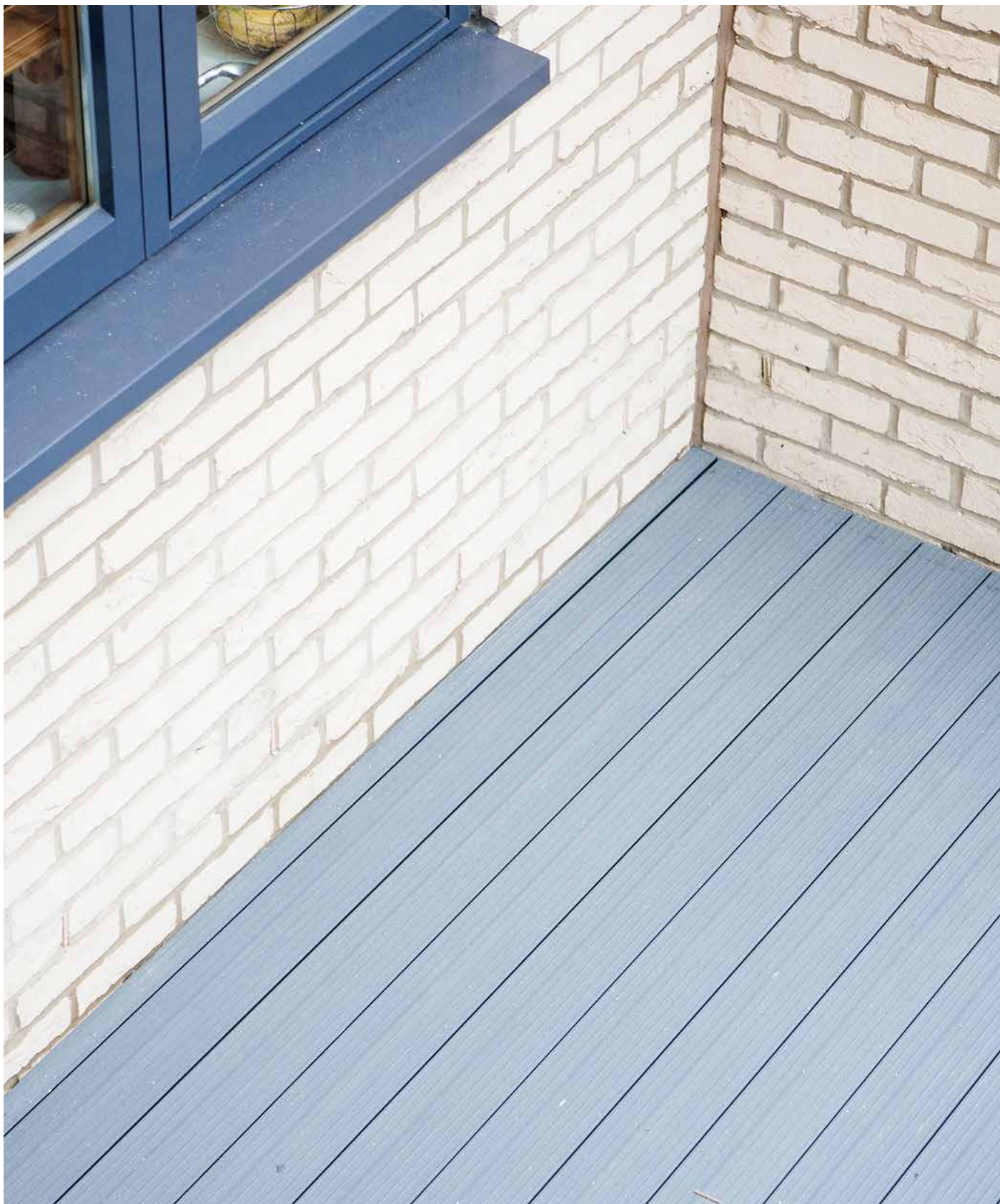
4



5



3



Rochester Airport Trading Estate
27 Laker Road
Rochester
Kent ME1 3QX

Tel: 01622 235 672
Email: info@alideck.co.uk
www.alideck.co.uk