
SENSE 600[®]
GWP Impact
Equivalency Statement



thinkstep pty ltd
25 Jubilee Street,
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Australia



InfraBuild Steel

David Bell | Manager Sustainability & Insight

Level 27/8 Chifley Square
Sydney, NSW 2000
Australia

22 September 2023

Project No: ZP102699: SENSE 600® GWP Impact Equivalency Statement

Dear David,

Thank you for inviting us to help you to assess the approximate global warming potential (GWP) impact of your new SENSE 600® product, produced at your Laverton mill.

I have undertaken the assessment as a Life Cycle Assessment Certified Practitioner (LCACP), registered with the Australian Life Cycle Assessment Society (ALCAS) and the Life Cycle Association of New Zealand (LCANZ). I am an active LCA practitioner at thinkstep-anz and am President of LCANZ.

We compared the expected GWP impacts for the average SENSE 600® product from Laverton mill with the average 500N grade product from Laverton mill. We also compared both products against the existing merchant bar product from Laverton, as modelled in the LCA that supports your EPDs.

Our assessment showed that the SENSE 600® product impacts would be slightly higher than the 500N grade and the existing merchant bar LCA modelling, but within the +10% tolerance permitted for the products to be declared with the same impact for EPDs.

thinkstep-anz is pleased to confirm that InfraBuild's EAF-produced SENSE 600® product can be considered to have similar GWP impacts to their EAF-based 500N strength grade average product, as represented in the merchant bar EPD, which has a GWP of 1.24 kgCO₂e/kg. The expected GWP impacts for the SENSE 600® product are within the +10% tolerance permitted for the products to be declared with the same impact for EPDs.

Please find further information overleaf detailing the assessment and our findings. Please do not hesitate to contact us should you have any queries.

Kind regards,

A handwritten signature in black ink, appearing to read 'Emily Townsend', written over a light blue horizontal line.

Emily Townsend
Services Director



**It just makes
SENSE**