
SENSE 600[®] TrenchMesh[™] Product Guide



What is SENSE 600[®] TrenchMesh[™]?

SENSE 600[®] TrenchMesh[™] is trenchmesh constructed using InfraBuild's innovative reinforcing bar product, SENSE 600[®], which delivers a lower carbon footprint solution for customers.

This is a direct replacement for the Grade 500 MPa trenchmesh that is commonly available to date making an easy transition without requiring any re-engineering.

SENSE 600[®] TrenchMesh[™] is Class N Ductility (Normal Ductility) providing improved footing performance.

We've made it easy, SENSE 600[®] TrenchMesh[™] is CodeMark certified, giving you the assurance that it conforms to AS/NZS 4671 and AS 2870.

What is SENSE 600[®]?

SENSE 600[®] is a new range of reinforcing steel, optimising higher strength steel, innovative bar design, and 100 per cent steel scrap to deliver improved sustainability credentials.

- It's lighter, yet has the same Load Capacity as 500N
- It can deliver a lower embodied carbon solution of up to 35 per cent than our standard-grade reinforcing steel.
- This alternative boasts up to 40 per cent reduction in embodied carbon, using 16.7 per cent less raw materials when compared to our Grade 500 MPa trenchmesh, allowing you to positively impact the sustainability of construction.

Why are we changing?

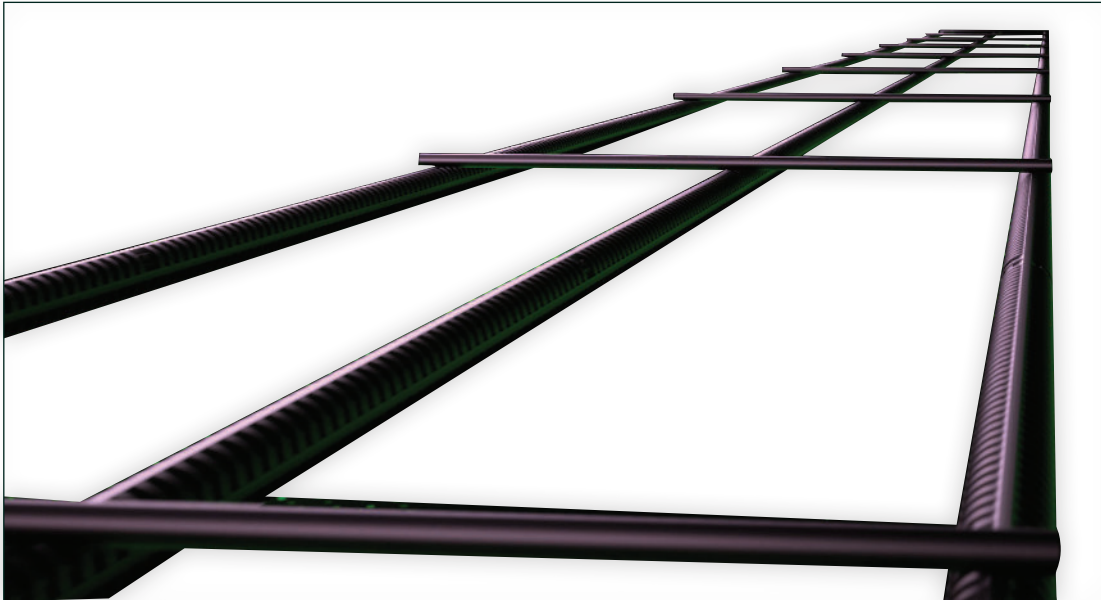
InfraBuild is committed to its role in supporting Australia's shift to a lower carbon emission economy. The development of innovative new products and solutions that improve building design, construction efficiency and lower embodied carbon outcomes are our focus.

SENSE 600[®] TrenchMesh[™] offers enhanced sustainability credentials without compromising on performance.

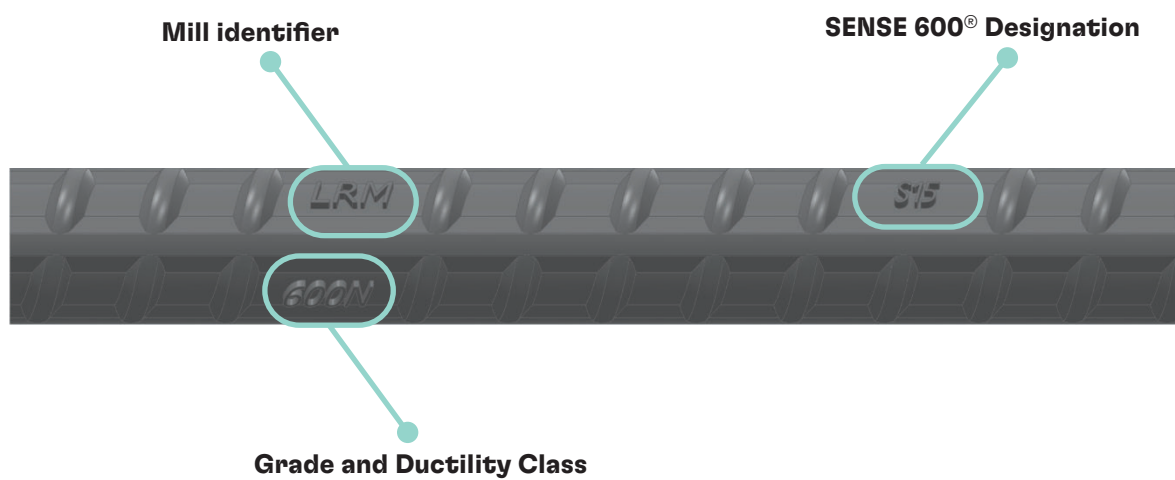
SENSE 600[®] TrenchMesh[™] has been manufactured to be easily identifiable:

- SENSE 600[®] has a unique bar profile distinguished by four longitudinal ribs and a square core.
- SENSE 600[®] has rolled-in mill marks indicating Grade 600, Ductility Class, Mill and Bar Section Identifiers.

SENSE 600® TrenchMesh™



SENSE 600® Bar identifiers



What are the product codes that will be changing?

The table below shows the new SENSE 600[®] TrenchMesh[™] product codes.

SENSE 600 [®] Trench Mesh [™]			500L
Designation	No. Bars	Diameter (mm)	Designation
3-S10TM	3	9.8	3-L11TM
4-S10TM	4	9.8	4-L11TM
5-S10TM	5	9.8	5-L11TM
6-S10TM	6	9.8	6-L11TM
3-S11TM	3	11	3-L12TM
4-S11TM	4	11	4-L12TM
5-S11TM	5	11	5-L12TM
6-S11TM	6	11	6-L12TM
SENSE 600 [®] Trench Mesh [™]			500N
3-S15TM	3	14.6	3N16
4-S15TM	4	14.6	4N16

Disclaimer:

THIS DOCUMENT PROVIDES GENERAL GUIDANCE ONLY – SEEK PROFESSIONAL ADVICE

The information provided in this document is general guidance only. You should seek professional advice before relying on any of the information in this document. To the extent permitted by law, InfraBuild, the authors, publishers and editors expressly disclaim any liability for personal injury, death, or loss or damage directly or indirectly resulting from relying on this document. InfraBuild reserves the right to change specifications and availability of the products at any time.

Copyright © 2023, InfraBuild Australia Pty Ltd ABN 91 631 112 457. All rights reserved. This document (in full or part) must not be reproduced, copied, modified, adapted, translated, republished, uploaded or posted to any website or other online platform, publicly displayed, distributed for commercial purposes, or electronically transmitted or communicated in any way, without the express prior written permission of the copyright owner.

Document: M03b V0.1

It just makes **SENSE**