

STEEL SCAFFOLD BOARD

WITH EXCEPTIONAL ANTI - CORROSION PERFORMANCE, FIVE TIMES THE SERVICE LIFE

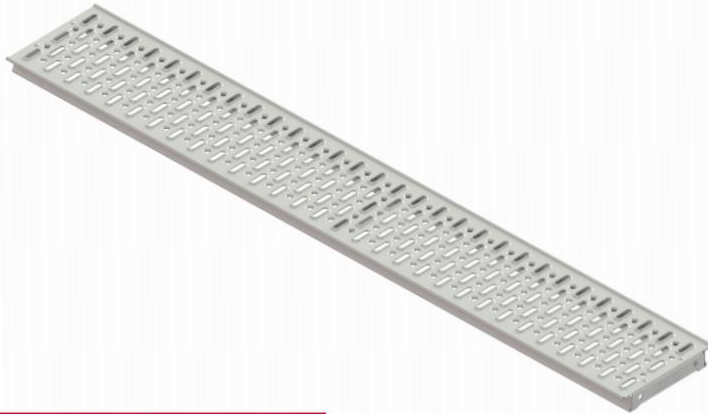


| Part No. | Overall Length | | Width mm | Thickness mm | Weight | | Material |
|--------------|----------------|-------|-------------|-----------------|--------|-------|----------|
| | m | in | | | kg | lb | |
| TF-SSB248_40 | 4.0 | 13'1" | 248 | 45 | 20.70 | 45.64 | S195JR |
| TF-SSB248_30 | 3.0 | 9'10" | | | 15.60 | 34.39 | S195JR |
| TF-SSB248_25 | 2.5 | 8'2" | | | 13.06 | 28.79 | S195JR |
| TF-SSB248_20 | 2.0 | 6'7" | | | 10.52 | 23.19 | S195JR |
| TF-SSB248_15 | 1.5 | 4'11" | | | 7.99 | 17.61 | S195JR |
| TF-SSB248_10 | 1.0 | 3'3" | | | 5.45 | 12.02 | S195JR |
| TF-SSB225_40 | 4.0 | 13'1" | 225 | 38 | 18.82 | 41.49 | S195JR |
| TF-SSB225_30 | 3.0 | 9'10" | | | 14.23 | 31.37 | S195JR |
| TF-SSB225_20 | 2.0 | 6'7" | | | 9.63 | 21.23 | S195JR |
| TF-SSB225_15 | 1.5 | 4'11" | | | 7.01 | 15.45 | S195JR |
| TF-SSB225_10 | 1.0 | 3'3" | | | 4.77 | 10.52 | S195JR |

Material

Premium-grade Zinc-Aluminum-Magnesium Coated Steel sheet, typically used in appliances and automotive industries, grade S195JR, offering high tensile strength, superior corrosion resistance and extended product lifespan, ideal for industrial applications.

The panels are 1.5 mm thick, providing a balance between structural integrity and weight, ideal for various construction applications. secure platform for workers and equipment.



Load-bearing Capacity

The plate design featuring side-mounted cantilever reinforced ribs enhances its load-bearing capacity, achieving a span of 2.1 meters under the L6 load class as per EN12811-1 standards; this design also results in a reduction of over one-third in the required decking bars and associated fasteners.

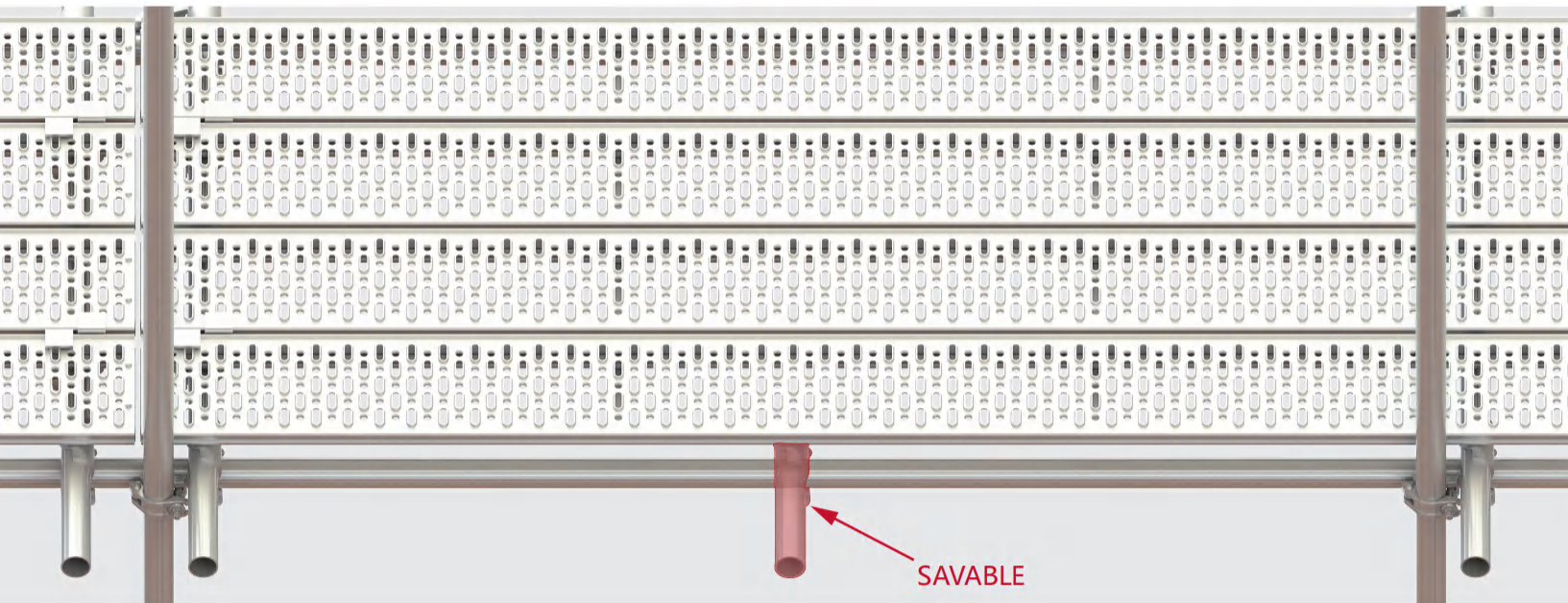
Service loads on working areas (EN 12811-1:2003 Table 3)

| Load class | Uniformly distributed load q_1 kN/m ² | Concentrated load on area 500 mm x 500 mm F_1 kN | Concentrated load on area 200 mm x 200 mm F_2 kN | Partial area load | |
|------------|--|---|---|----------------------------|------------------------------|
| | | | | q_2 kN/m ² | Partial area factor a_p |
| 1 | 0.75 | 1.50 | 1.00 | --- | --- |
| 2 | 1.50 | 1.50 | 1.00 | --- | --- |
| 3 | 2.00 | 1.50 | 1.00 | --- | --- |
| 4 | 3.00 | 3.00 | 1.00 | 5.00 | 0.4 |
| 5 | 4.50 | 3.00 | 1.00 | 7.50 | 0.4 |
| 6 | 6.00 | 3.00 | 1.00 | 10.00 | 0.5 |



Patented Design

The cantilever tread design, featuring slip-resistant grooves on its surface, incorporates a longitudinal reinforcing rib that enhances the load-bearing area and ensures more uniform force distribution across each individual tread plate. This innovative design also simplifies the setup process, enabling faster achievement of platform flatness and minimizing gaps between assembled components.



Rust Resistance of the Cutting End Face

Excellent Rust Resistance of the Cutting End Face: When the cross section occurs, the upper galvanized layer is dissolved and then covers the section, and promote the stable corrosion object growth. But has been exposed on the steel plate will occur red rust phenomenon. After the cross section is coated with the corrosion product film, it can prevent the cross section corrosion. Magnesium aluminum zinc plating the exposed portion of the base end surface of the cut, will produce a slight initial red rust coating composition but then begin to dissolve surrounding the cut end surface, to form a dense protective film of zinc hydroxide, basic zinc chloride and magnesium hydroxide as a main component, this process will continue to cover the end face portion after a few months, thereby inhibiting the corrosive reaction of the end face portion.



1 week exposure

15 week exposure

25 week exposure

Corrosion Resistance

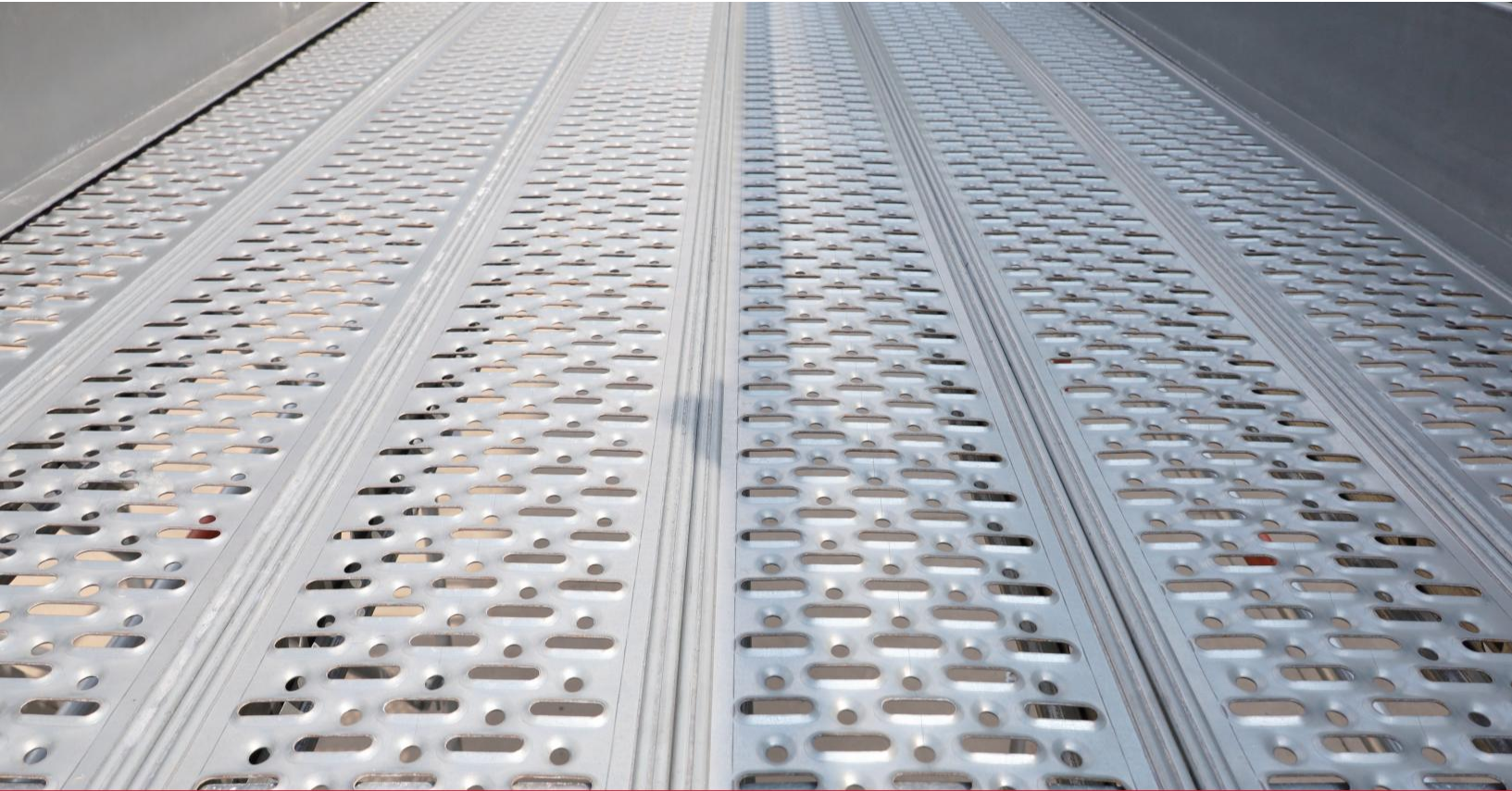
Superior Corrosion Resistance, The Zinc Aluminum-Magnesium Coated Steel Sheet is one newly developed with coating layers which owns very strong corrosion-resistant ability. The magnesium (Mg) in the coating layer contributes to the stable tightly corrosion object of Simonkolleite, $Zn_5(OH)_8Cl_2 \cdot H_2O$ (chlorinated zinc). The corrosion object is formed on the galvanized surface as Film, taking the function to prevent corrosion of the steel sheet. The corrosion resistance of this zinc aluminum magnesium alloy coated steel sheet is 5 to 10 times higher than that of the hot-dip galvanized steel sheet.

Versatility

Suitable for multiple applications including scaffolding decks, mezzanine floors, and industrial walkways, providing a sturdy and reliable surface. The Steel Scaffold Board (W 225) is a standard size with high versatility, while the Steel Scaffold Board (W 248) is a special size with higher load-bearing capacity.

Longer Service Life

Cost Savings through Longer Service Life, Compared with Scaffold Walkboard products that use traditional hot dip galvanizing processes, the special coating structure gives it excellent corrosion resistance, while also making it easier to achieve automation in the production process, extending the service life and reducing manufacturing and maintenance costs.



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