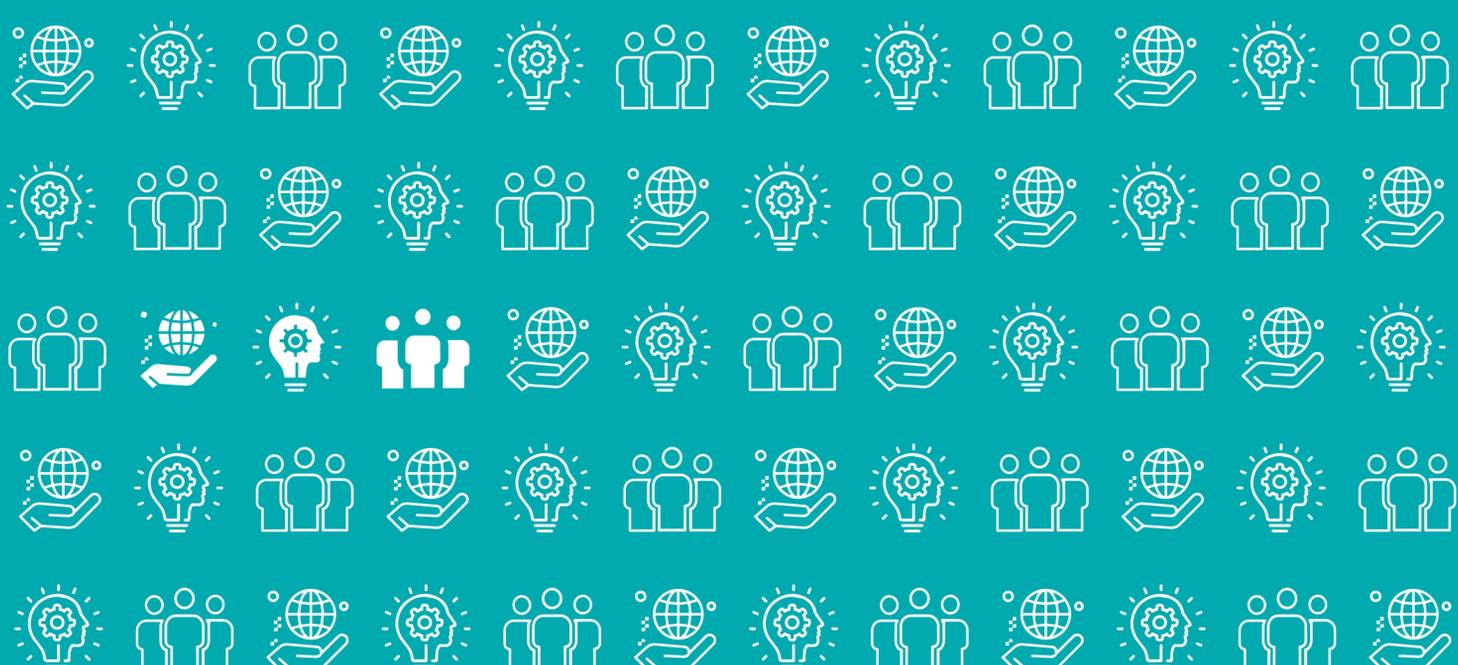
Steel Production Board Specialist

SAMJUNG

Stronger • Smarter • Greener



Discover everything you need in Steel Production Board (steel pallets) right here at SAMJUNG

As a global leader in Steel Production Board (steel pallet) manufacturing for concrete product machines, SAMJUNG has been supporting customers worldwide in producing high-quality concrete products since its founding in 1992.

Driven by a strong commitment to innovation, we continuously research and develop solutions that deliver even greater value and benefits to our customers.



Company History

1992	2005	2011	2013	2018	2020	2023
Established Samjung Industries	Designated as a World-Class SME by Gyeongbuk Province	Designated as a Venture Company Received the Advanced Venture Business Award from the Ministry of Knowledge Economy	Selected as a Global IP Star Company	Awarded the Minister of Trade, Industry and Energy Prize	Awarded the Bronze Tower Order of Industrial Service Merit by the President Awarded the Ministry of SMEs Prize	Selected as a POSCO INNOVILT product







WowBoard

Product Description

Custom Steel Solutions

All Samjung WowBoards are crafted using custom-made steel plates tailored to meet each customer's unique requirements.

Specialized Material

Steel Production Board (steel pallets) often face harsh conditions that can lead to corrosion. To address this, Samjung has developed specialized steel designed specifically for concrete block production. Customers can choose between our standard steel and our corrosion-resistant and wear resistance option, based on their needs.

Superior Vibration Transmissibility

The strength of concrete blocks is closely tied to density, which in turn depends on effective vibration transmissibility. Steel offers significantly higher vibration transmissibility compared to wood and PVC (Steel : PVC : Wood = 1 : 0.7 : 0.5), making it the optimal choice for enhanced block strength.

Recyclable and Cashable

All Samjung pallets are designed with sustainability in mind, offering full recyclability and value recovery when it's time for replacement.

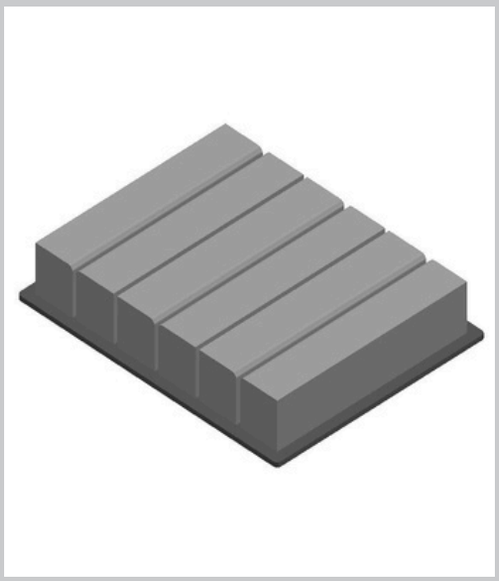


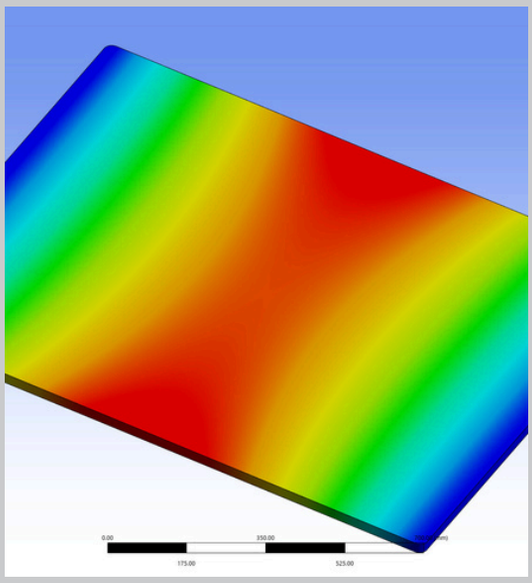
Stress Relief for Perfect Flatness

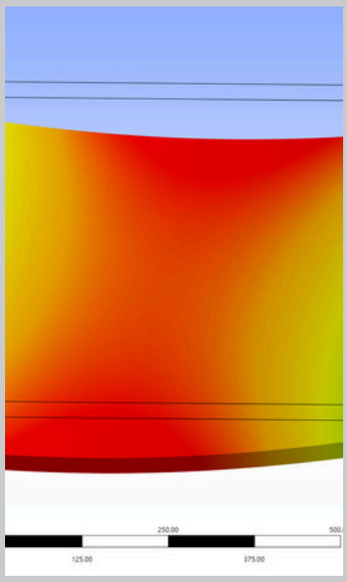
To ensure crack-free concrete products, every Samjung WowBoard undergoes stress relief, a 4 step leveling process, and thorough inspection to maintain perfect flatness and prevent bending.

Optimal Thickness Consulting Service

SAMJUNG R&D CAE Results



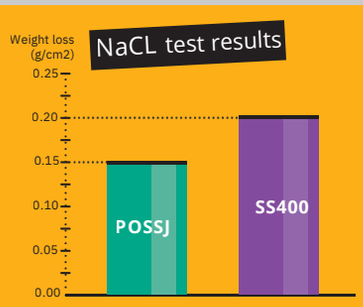




Samjung R&D center can suggest optimal thickness for you!

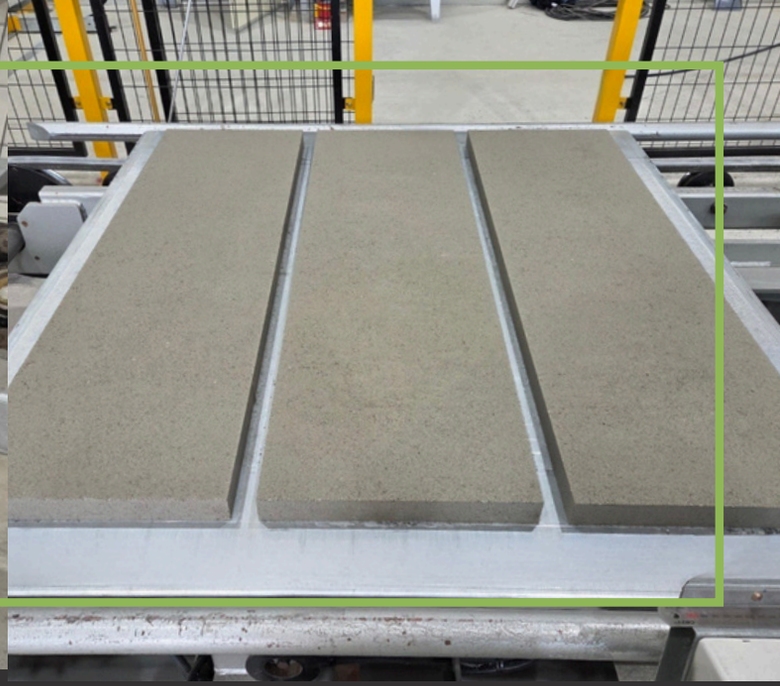
Steel Grade for Steel Production Board (Steel Pallet)

Product	Steel Grade	Characteristics	Mechanical Properties	
			YS	TS
WowBoard	POSSJ	Corrosion Resistant	Min 325	Min 510
	HS540	Wear Resistance	Min 430	Min 560
	SS490	General	Min 265	490-610
	SS400	General	Min 245	400-510



POSSJ and HS540 are a specialized steel grades developed exclusively for the concrete block industry, made with a unique chemical composition recipe invented by **Samjung**.





MetaBoard

Production Description

Lightweight Design

For manufacturers currently using traditional WowBoard Steel Production Board (steel pallets) with a thickness between 14 mm and 18 mm, we recommend the 25 mm MetaBoard.
In this configuration, MetaBoard weighs only 42% to 55% of conventional steel pallets, offering a significant reduction in weight

Corrosion Resistance

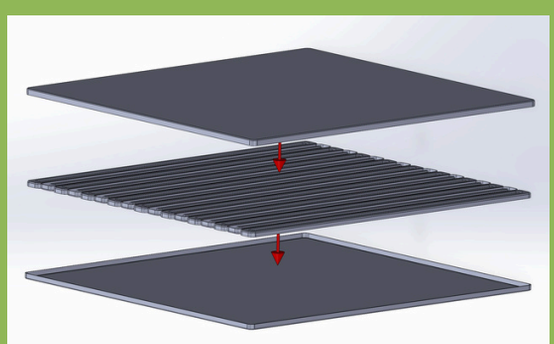
Its specially developed material ensures durability and longevity, effectively resisting rust and wear in harsh environments, which reduces the need for frequent replacements.

Eco-Friendly and Energy-Saving Solution

Manufactured using sustainable practices, MetaBoard supports a greener environment and efficient production.
Its lightweight design reduces power consumption, delivering real cost savings as electricity prices continue to rise.

Thickness Options

Available in the same thickness as traditional Steel Production Board (steel pallets), starting from 14mm and extending to a premium line of 25mm, 50mm, MetaBoard provides versatility to meet various production needs.



MetaBoard three-layer design

Top plate, Core structure, and Bottom plate, with the core built on Samjung's 30 years of steel production Board expertise. It's at least 42% lighter than traditional Steel Production Board, while still handling the same loads, supporting up to 2 tons depending on thickness.
The gravity-optimized design also ensures near-perfect flatness.

SAMJUNG Industries

www.samjungltd.com
salesm@samjungltd.com
+82 54 260 7777
#187, Yongsangil, Cheongha-myeon,
Buk-gu, Pohang, Republic of Korea