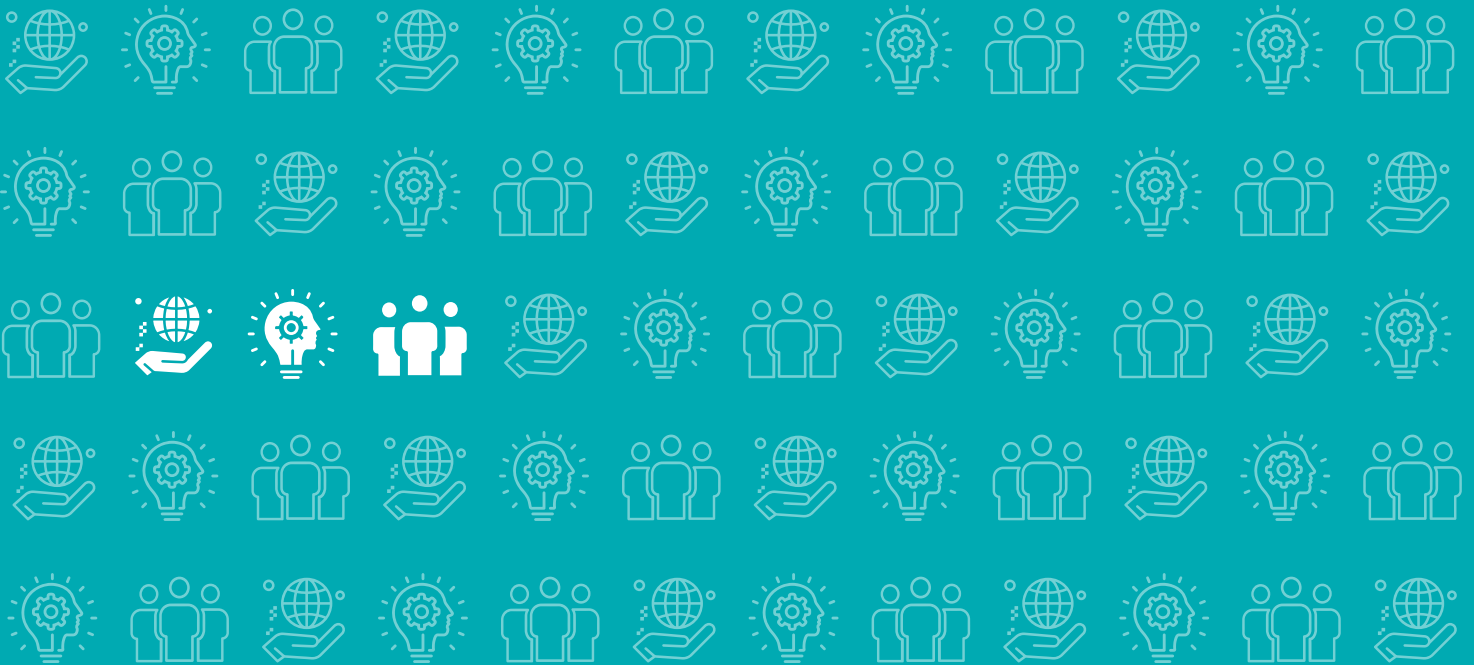


SAMJUNG

BUILD VALUE TOGETHER!



Everything you look for in steel pallet is here at Samjung!



Samjung is a global steel pallet manufacturer for concrete product machines. Since its foundation in 1992, our pallets have been helping customers around the world to produce quality concrete products.

The company has a strong driving force in innovation. Researches on various subjects are always in progress to supply products with more benefits to the customers.



Company history

1992

2004

2008

2018

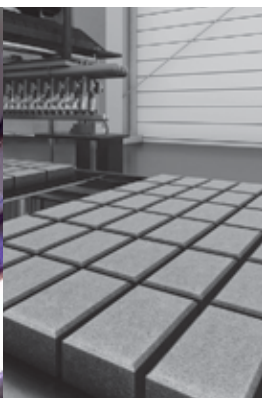
2019



Established Samjung Industry Co., Ltd



Launched R&D center
Established Samjung Carryworld Co., Ltd



10 Million Dollars Export Award from South Korea government



Appointed Global Small-Giant company



Awarded Dongtab medal from South Korea president



Samjung WowBoard Product Description

• Order made steel

All Samjung WowBoards are made from order-made steel plates that meet customer's requirements.

• Specialized material

Steel pallets are continuously exposed to conditions that are critical to steel. Samjung has developed specialized steel for concrete block making for those who have concerns about corrosion. Customers can choose regular steel or specialized steel depending on their needs.

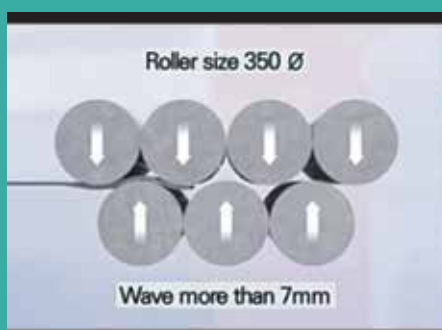
• Excellent vibration transmissibility

Block strength is related to density, and density is associated with vibration transmissibility. Steel has significantly higher vibration transmissibility than wood and PVC. (Steel : PVC : Wood =1 : 0.7 : 0.5) Producers can produce stronger concrete products with consistent heights from using steel pallets than any other material boards.

• Coated surface

Rust stain and concrete buildup on steel pallets may cause product quality issues. Samjung can offer specialized coating on the pallet surface. There will be no residual oil as it dries quickly, and the coating will prevent accumulation of concrete buildup on the pallet surface.

• Recyclable and Cashable



• Stress relief

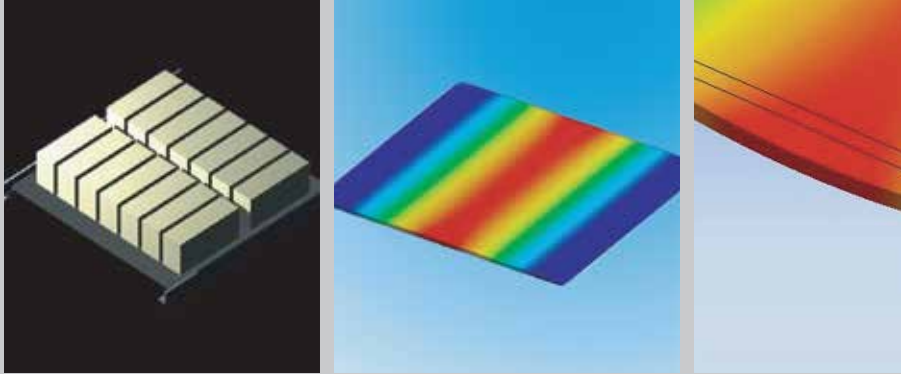
To make crackless products, steel pallet has to have perfect flatness. All Samjung WowBoards go through Stress relief process. Samjung's 4 steps leveling process stabilizes steel pallet, prevents pallet bending and achieves perfect flatness. This process is strictly managed by an automatic inspection system.

Optimal thickness consulting service

SAMJUNG R&D CENTER can suggest optimal steel pallet thickness for you!

SAMJUNG R&D CAE Results

Deflection (A):management standard **under 1.5mm**



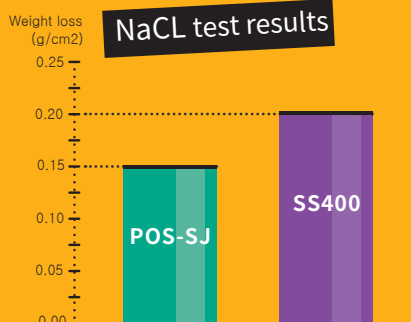
Steel Pallet(WXL)	Product	Load Condition	Material	Thickness	Max. Defomation
1400X1250	Curb stone	Up to 500kg	KS SS400 DIN St 44.2	15	1,832
				16	1,662
				18	1,487

Specifications (standard: 1400x1250x18t)

Raw Material	JIS G3101 SS400 (DIN 17100 St.44.2)
Tolerance	Length and Width $\pm 1.0\text{mm}$ Diagonal : $\pm 3.0\text{mm}$ Thickness : International standard of steel manufacturer
Flatness	Within 1.0mm/1,000mm in any direction
Four corners	12mm radius($\pm 2R$)
Sharp edges	Smooth treatment in all edges and corners

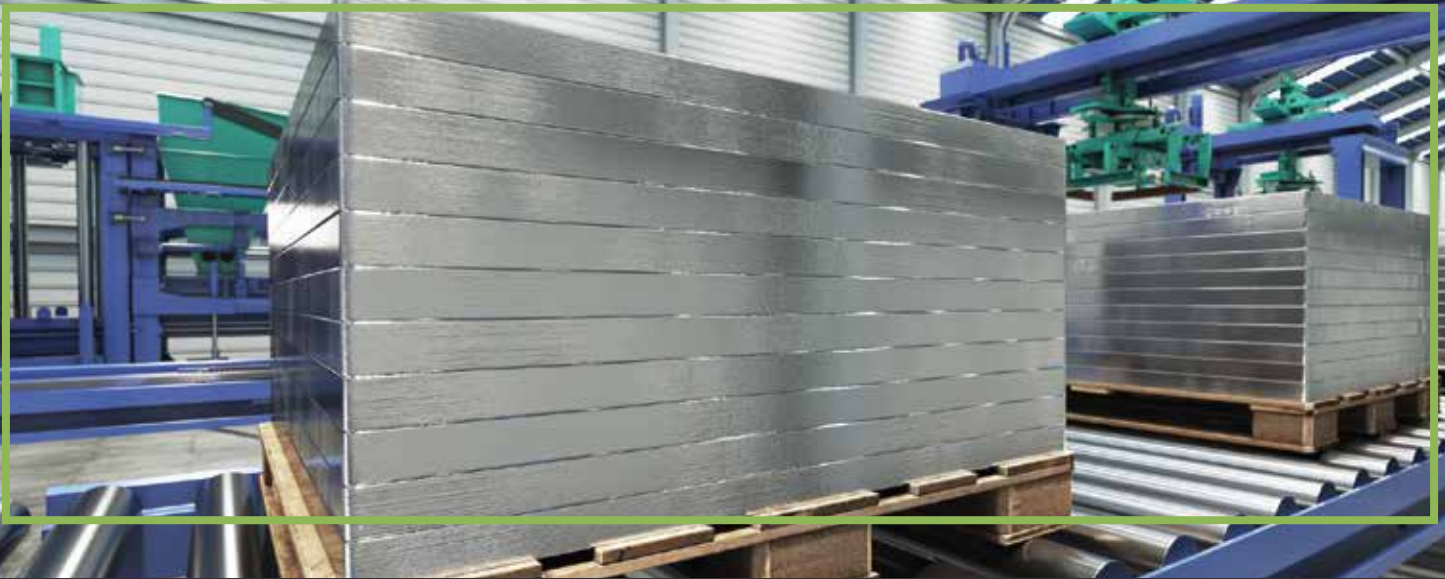
Steel grade for Steel pallet

Product	Steel grade	Characteristics	Mechanical properties	
			YS	TS
Samjung WowBoard	POS-SJ**	Corrosion resistant	Min 325	510-680
	SS490	Normal	Min 265	490-610
	SS400	Normal	Min 245	400-510
Samjung AlphaBoard	Stainless Steel	Corrosion resistant	Min 290	485-580
	POS-SJ**	Corrosion resistant	Min 325	510-680



** POS-SJ is specially designed steel grade only for concrete block industry.

Specifically designed for steel pallet making
30% less weight loss compared to general grade in accelerated corrosion NaCl test, meaning stronger resistant to sea water corrosion
Guaranteed strength above TS 510MPa
POSCO exclusively supplies POS-SJ to Samjung



Samjung AlphaBoard Product Description

• **Great durability**

Samjung AlphaBoard has special inner structure which resembles honeycomb, namely Truss structure. This strong structure holds the board to nearly zero deflection with 2 tons load. For this reason, AlphaBoard can allow customers to widen production range with less limitation to product size



• **Lightweight**

Samjung AlphaBoard has weight comparable to wooden and PVC boards. It weighs approximately 60% of Samjung WowBoard with the same length and width.

• **Better product quality**

Block strength is related to density, and density is associated with vibration transmissibility. Steel has significantly higher vibration transmissibility than wood and PVC. (Steel : PVC : Wood = 1 : 0.7 : 0.5) And special inner structure of AlphaBoard transfers vibration more efficiently than WowBoard. As a result, producers can produce stronger and consistent blocks with AlphaBoards.

• **Enhanced productivity**

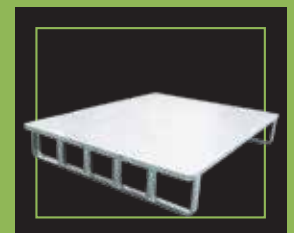
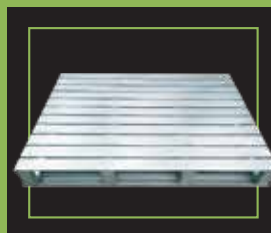
Customers can save production time from using Samjung AlphaBoard. Required vibration time is reduced, and curing time is also shortened as AlphaBoard requires less energy to increase chamber temperature than other steel pallets.

• **Corrosion resistant**

Samjung AlphaBoard is made of corrosion resistant steel that is 5 times stronger than general steel against corrosion.

CUSTOM PALLET

All pallets are customizable.
Contact us for more information.



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