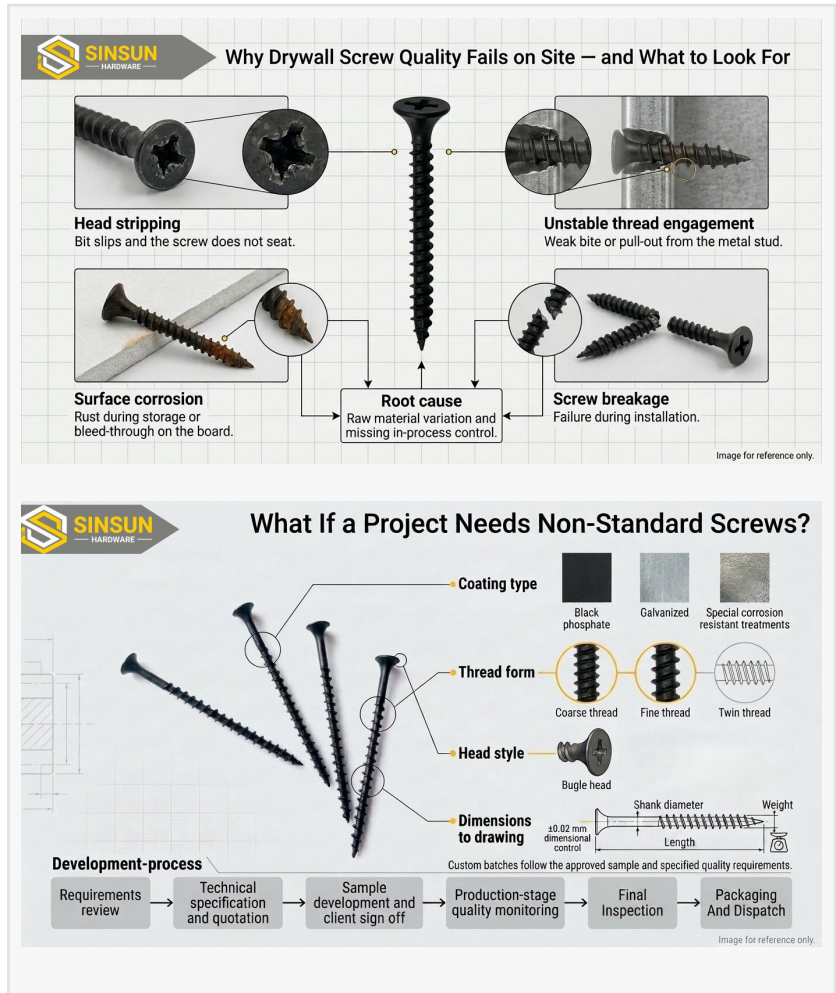


Sinsun Hardware: China Drywall Screw Supplier Backed by Integrated Fastener Production

TIANJIN, CHINA, August 13, 2026 /EINPresswire.com/ -- Since 2006, [Sinsun Hardware](#) has operated a 31,499 sqm integrated production campus in Tianjin — 16,000 sqm of production workshops and 15,000 sqm of warehousing and packaging — running 200-plus German multi-station cold heading machines, four in-house heat treatment lines, and a 12-step quality inspection system. Forming from Ansteel Group C1022A steel, its black phosphate drywall screws deliver 72-hour salt spray resistance (ASTM B117), 598+ MPa tensile strength, HRC 32–40 core hardness, a minimum 550 HV surface hardness, and ± 0.02 mm dimensional accuracy — each figure verifiable through SGS or BV factory audits, MTC and salt spray reports, and raw material certificates. Annual output tops 8,500 standard containers to construction buyers worldwide, letting a distributor [consolidate drywall screws](#) and 20,000+ fastener SKUs under one supplier.



Why Drywall Screw Quality Fails on Site — and What to Look For

Before evaluating any supplier, it pays to know where drywall screws actually let installers down. Most field complaints about low-grade gypsum board fasteners fall into four recurring categories, and each one costs time on the wall rather than money at the purchase order.

Head stripping (cam-out) under power driving — the bit slips, the screw never seats, and the crew slows down.

Unstable thread engagement — the screw fails to bite the metal stud firmly or works loose and pulls out under load.

Surface corrosion — rust shows up during storage, or worse, bleeds through to the finished board face and forces expensive rework.

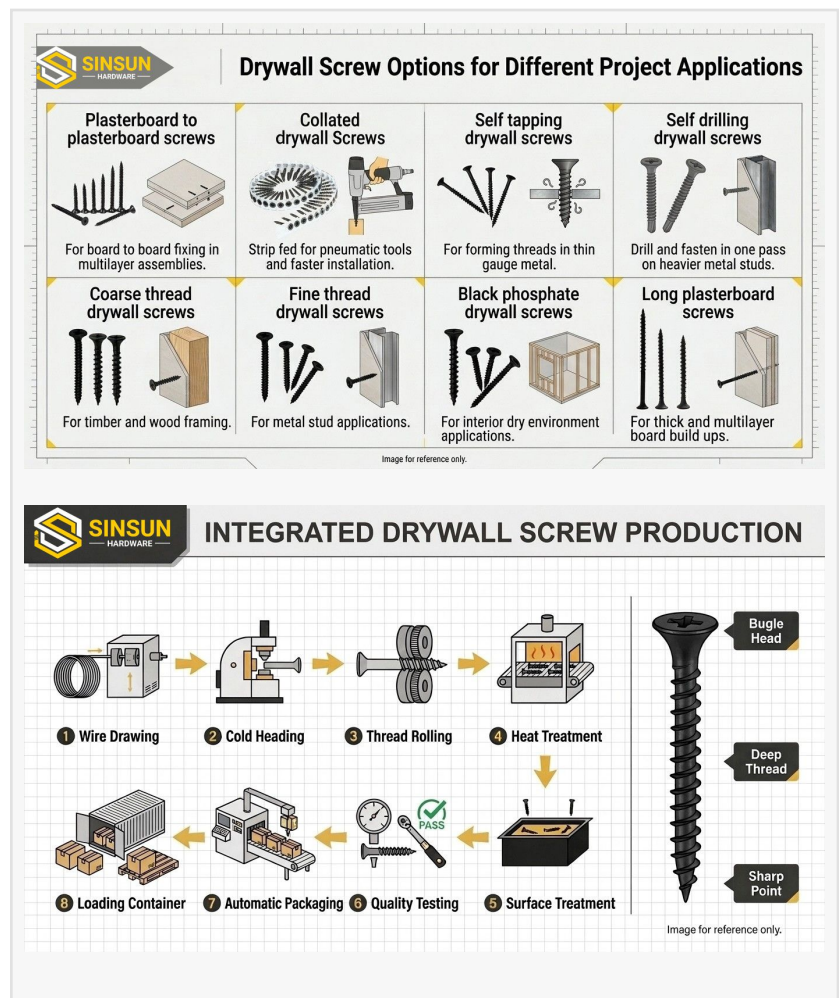
Screw breakage during installation.

What ties these four failures together?

Raw material variation and missing in-process control. A screw formed from inconsistent steel hardens unevenly, and uneven hardness is exactly what produces the symptoms above — some screws snap, some strip, some corrode long before they should.

For procurement, the takeaway is simple. A supplier's raw material sourcing and its process quality system matter far more than the price per thousand. On-site labor dwarfs any

per-piece saving, and the hidden cost of a poor fastener — slower installation, wasted board, callback rework — routinely runs several times the price gap. The sections below answer, one question at a time, how Sinsun Hardware is set up to keep these failures off your jobsite.



Does the Supplier Control the Entire Production Process?

The single biggest driver of batch-to-batch consistency is whether a supplier owns an integrated plant or splits the work across separate subcontractors. Every time production crosses a factory boundary, variation creeps in: heat treatment differs from one shop to the next, and coating quality drifts between lots.

Sinsun Hardware runs a 31,499 sqm integrated base in Tianjin — 16,000 sqm of production workshops and 15,000 sqm of warehousing and packaging — with four in-house heat treatment lines delivering a combined 20 tons per day and a dedicated inspection center, all on one campus. The flow never leaves the site: raw material intake → cold heading → heat treatment → surface coating → 12-step inspection → packaging → dispatch.

More than 600 machines sit on that floor, of which 200-plus are German multi-station cold headers, each turning out over 1,200 pieces per minute. Because no step crosses a facility boundary, every quality variable stays under direct control. For a dealer buying across several

construction seasons, that closed loop means batch consistency is documented — a production fact, not a marketing promise. Tianjin itself is one of China's core fastener manufacturing hubs, home to mature makers with strong logistics support and stable quality control.

What Steel Do They Use — and Can They Prove It?

Sinsun Hardware forms its drywall screws from C1022A-grade steel supplied by Ansteel Group, at an annual procurement volume above 10,000 tons — and it can hand you the mill test certificate (MTC) for the batch. Sourcing from a single major mill locks chemical composition and mechanical properties in place from the very first step, which is where most consistency problems are either prevented or created.

The practical difference between verified mill steel and unspecified stock shows up on the wall. With Ansteel C1022A, every batch carries a mill test certificate (MTC), the chemical composition stays controlled because it comes from one major mill, and the resulting hardness is even — HRC 32–40 core with a minimum 550 HV surface — all of which a buyer can audit through an SGS or BV report, the MTC, and a salt spray test. Unspecified or mixed-source steel, by contrast, often arrives with no traceable origin, composition that drifts from lot to lot, and uneven hardness that raises the risk of stripping and breakage — and it is difficult to audit after the fact.

Downstream, a 12-step quality inspection process spreads verification across every production node — from raw material intake to finished-goods dispatch — rather than relying on end-of-line sampling alone. For this black phosphate drywall screw, that discipline produces testable, specifiable values: salt spray resistance of 72 hours (ASTM B117), tensile strength of 598+ MPa, core hardness of HRC 32–40, a minimum 550 HV surface hardness, and dimensional accuracy held to ± 0.02 mm. Just as important, buyers can back every number with third-party evidence — SGS or BV factory audits, MTC and salt spray test reports, and raw material certificates — which turns quality assurance from a claim into a document your audit file can hold.

How Does Sinsun Guarantee a Stable Delivery Schedule?

Manufacturing quality only reaches the buyer as value when it ships on time. Sinsun Hardware operates a smart warehouse with 18,000-plus pallet positions directly beside its production lines, holding strategic buffer inventory across the full SKU range. That buffer decouples shipment scheduling from production timing, so a seasonal demand spike does not turn into a supply gap.

Annual throughput runs at 8,500-plus standard containers — a figure drawn from 2025 shipping records rather than a rounded estimate — which is enough to move large framework orders and urgent top-up deliveries at the same time without slipping schedules. The campus also sits next to Tianjin Port, so the inland leg is short and vessel connections are quick, trimming days off the door-to-port stretch that buyers rarely see but always pay for.

What If a Project Needs Non-Standard Screws?

Not every project runs on catalogue specifications, and this is where an in-house engineering team earns its place. When a buyer needs a drywall screw configuration outside standard production, Sinsun Hardware develops it end to end — no third-party subcontracting. Custom parameters cover the full specification range:

Coating type: black phosphate, galvanized, and special corrosion-resistant treatments.

Thread form: coarse, fine, and twin-thread configurations.

Head style: bugle, bugle-flat, and pan head.

Shank diameter, length, and weight to the drawing.

The development sequence follows a defined milestone path — requirements review → technical specification and quotation → sample development and client sign-off → production-stage quality monitoring → final inspection → packaging and dispatch. The same ± 0.02 mm dimensional standard and 72-hour salt spray performance that govern standard runs hold through custom batches, so the sample you approve and the volume you receive share one performance profile.

Does the Product Range Actually Fit Your Project Mix?

A single-source supplier only earns its keep when the range covers the real project mix a distributor serves. Sinsun Hardware's drywall screw line spans the common gypsum board scenarios, each mapped to where it belongs on site:

Plasterboard-to-plasterboard screws — board-to-board fixing in multi-layer assemblies.

Collated drywall screws — strip-fed for pneumatic tools and installation-crew speed.

Self-tapping drywall screws — form their own thread in thin-gauge metal.

Self-drilling drywall screws — drill and fasten in one pass on heavier stud.

Coarse-thread drywall screws — timber and wood framing.

Fine-thread drywall screws — metal stud applications.

Black phosphate drywall screws — a cost-efficient corrosion barrier for interior dry environments.

Long plasterboard screws — thick, multi-layer board build-ups.

Paired with a broader catalogue of 20,000+ fastener SKUs, that depth lets buyers in Saudi Arabia, Russia, the UAE, Mexico, Canada, and other target markets fold routine stock replenishment and project-specific requirements into one vendor relationship, instead of maintaining parallel supplier files.

The Short Answer for Procurement Teams

Put the five questions together and a pattern emerges. Sinsun Hardware controls the whole process in one integrated plant, proves its steel with Ansteel MTCs, backs its numbers with SGS

and BV evidence, buffers delivery through a port-side warehouse, and stretches from standard SKUs to custom engineering. For a distributor, that combination is what keeps stripped heads, corroded boards, and missed ship dates off the project — and it is the reason a drywall screw program holds up under real jobsite pressure, order after order.

About Sinsun Hardware

Tianjin Sinsun Imp And Exp Co., Ltd. — operating as SINSUN FASTENER and Sinsun Hardware — was established in 2006 and is headquartered at Room 603, Block D, Ping'an Building, Machang Road, Hexi District, Tianjin, China. The company is northern China's largest self-tapping screw production base and supplies more than 20,000 fastener SKUs — covering drywall screws, self-tapping screws, self-drilling screws, concrete screws, roofing screws, wood screws, concrete nails, pop rivets, concrete anchors, and bolts, nuts, and washers — to buyers across global construction and industrial markets.

From a 31,499 sqm integrated production campus to an 18,000-pallet smart warehouse dispatching 8,500+ containers a year, Sinsun Hardware has built the manufacturing and logistics infrastructure that international drywall screw procurement depends on for stable, scalable supply.

International distributors and procurement buyers seeking drywall screw specifications, custom development options, or volume pricing are invited to submit an inquiry at www.sinsunhardware.com

Tianjin Sinsun Imp And Exp Co., Ltd.
Sinsun Hardware
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