

Document Reference: SO/LOG/QZ-PACK-2026/V1

Cargo Type: Jumbo & Standard Engineered Quartz Slabs

Container Standard: 20 FT Heavy-Duty Ocean Container Loading Matrix

Effective Date: October 2026

QUARTZ SLAB PACKING DETAIL & CONTAINER STUFFING MATRIX

Certified Factory Packaging Specifications • Net/Gross Weights • Palletization Ratios

SR. NO.	SIZE / THICKNESS	PCS	SQ. MTR / PCS	WT / PCS (KG)	PCS / PALLET	SQ. MTR / PALLET	PALLET / CONTAINER	WT / PALLET (KG)	WT / CONTAINER (TONS)	SQ. MTR / CONTAINER	LAYER OF PCS
15 MM ENGINEERED QUARTZ SLABS — PACKING SPECIFICATION											
1	3200x1600 15mm	1	5.12	185.000	20	102.40	7 Plt	3770.000	26.39 T	716.80	Single
2	3000x1400 15mm	1	4.20	150.000	20	84.00	7 Plt	3070.000	21.49 T	588.00	Single
3	2800x1200 15mm	1	3.36	120.000	20	67.20	10 Plt	2470.000	24.70 T	672.00	Single
4	2400x1200 15mm	1	2.88	105.000	20	57.60	10 Plt	2170.000	21.70 T	576.00	Single
18 MM ENGINEERED QUARTZ SLABS — PACKING SPECIFICATION											
1	3200x1600 18mm	1	5.12	220.000	17	87.04	7 Plt	3810.000	26.67 T	609.28	Single
2	3000x1400 18mm	1	4.20	180.000	17	71.40	7 Plt	3130.000	21.91 T	499.80	Single
3	2800x1200 18mm	1	3.36	145.000	17	57.12	10 Plt	2535.000	25.35 T	571.20	Single
4	2400x1200 18mm	1	2.88	125.000	17	48.96	10 Plt	2195.000	21.95 T	489.60	Single
20 MM ENGINEERED QUARTZ SLABS — PACKING SPECIFICATION											
1	3200x1600 20mm	1	5.12	245.000	15	76.80	7 Plt	3745.000	26.22 T	537.60	Single
2	3000x1400 20mm	1	4.20	200.000	15	63.00	7 Plt	3070.000	21.49 T	441.00	Single
3	2800x1200 20mm	1	3.36	160.000	15	50.40	10 Plt	2470.000	24.70 T	504.00	Single
4	2400x1200 20mm	1	2.88	140.000	15	43.20	10 Plt	2170.000	21.70 T	432.00	Single
30 MM ENGINEERED QUARTZ SLABS — PACKING SPECIFICATION											
1	3200x1600 30mm	1	5.12	365.000	10	51.20	7 Plt	3720.000	26.04 T	358.40	Single
2	3000x1400 30mm	1	4.20	300.000	10	42.00	7 Plt	3070.000	21.49 T	294.00	Single
3	2800x1200 30mm	1	3.36	240.000	10	33.60	10 Plt	2470.000	24.70 T	336.00	Single
4	2400x1200 30mm	1	2.88	205.000	10	28.80	10 Plt	2120.000	21.20 T	288.00	Single

PALLET CONSTRUCTION

Heavy-duty wooden A-frame bundles manufactured from solid pine wood. Heat-treated & fumigated strictly compliant with ISPM 15 standards.

SURFACE PROTECTION

Each slab face is masked with 50-micron protective poly-film. High-density plastic edge protectors and foam buffers eliminate transit abrasion.

CONTAINER LASHING

Cross-lashed using 5,000 daN certified polyester composite strapping, timber bulkhead chocks, and anti-slip rubber friction floor pads.

PORT & CUSTOMS GATE

Factory stuffed in Morbi & dispatched via direct expressway to Mundra Port / Pipavav Port for immediate customs ocean clearance.

Standard Operating Procedure: SOP-LOG-QUARTZ-04

Fumigation Standard: ISPM 15 Heat Treatment (HT) Certified

Container Type: 20 FT Dry Van (DV) Heavy-Tested Ocean Container

CONTAINER LOADING, PALLET FUMIGATION & REGIONAL LIMITS

Guidelines for International Importers, Stone Distributors & Fabricators

1. EXPORT PALLETIZATION & PROTECTIVE LAYERING

- A-Frame Bundle Engineering:** Engineered quartz slabs are stacked on reinforced wooden A-frames angled at 78°–82° to ensure vertical weight distribution and prevent center-span flex during ocean transit.
- Phytosanitary ISPM 15 Compliance:** 100% of timber used is heat-treated at 56°C for a minimum of 30 minutes, debarked, and stamped with the official IPPC phytosanitary mark for immediate customs clearance worldwide.
- Polyethylene Masking:** High-grade PE surface film prevents micro-scratches from mineral dust during handling, transit, and unloading.
- Inter-Slab Foam Spacers:** Slabs are separated by non-reactive expanded polyethylene (EPE) spacers to prevent face-to-face polishing friction.
- Corrugated Corner Caps:** All slab corners are shielded with reinforced triple-wall cardboard edge protectors.

2. CONTAINER CHOCKING, BLOCKING & LASHING

- Center-of-Gravity Alignment:** Bundles are loaded longitudinally along the container center line to maintain dynamic balance aboard vessel.
- Heavy-Duty Timber Chocking:** Kiln-dried 4"x4" hardwood beams are bolted and spiked to the container floor around the base of every bundle.
- Diagonal Steel & Webbing Bracing:** High-tensile composite strapping connects every A-frame directly to container D-rings rated at 2,000 kg each.

3. MAXIMUM CARGO WEIGHT LIMITS BY DESTINATION PORT

Please review standard legal highway weight allowances in your country. Our export desk customizes pallet bundle configurations to maximize your cargo square meters without exceeding local legal axle load thresholds:

Region / Destination	Max Gross Cargo Wt	Recommended Stuffing
United States (USA)	19.95 MT – 21.50 MT	7 Plt (18mm / 20mm Standard)
Canada	21.50 MT – 22.00 MT	7 Plt (20mm) or 10 Plt (2800)
United Kingdom & EU	24.00 MT – 25.00 MT	7 Plt (20mm) / 10 Plt (15mm)
Middle East (GCC / UAE / KSA)	26.50 MT – 27.50 MT	Full 7 Plt Jumbo (20mm/30mm)
Australia & New Zealand	24.00 MT – 24.50 MT	Zero-Silica / Crystalline Compliant
Latin America & Caribbean	25.00 MT – 27.00 MT	Maximum Container Capacity

4. UNLOADING & WAREHOUSE HANDLING PROTOCOLS

- Crane / Boom Forklift Mandate:** Use certified overhead crane with slab lifting clamp or heavy forklift with specialized boom attachment (minimum 5-ton rating).
- Order of Unloading:** Always unload outer lashing belts first, verify timber chocks, and remove bundles from door side towards inner bulkhead.
- Pre-Unloading Inspection:** Inspect container seal integrity upon arrival; document any seal discrepancy or shift before breaking container seal.

Authorized by: SHEEN OVERSEAS EXPORT DIVISION

Official Quality Guarantee: Every shipment from Sheen Overseas is covered by comprehensive marine transit insurance and backed by our standard 15-Year Commercial Quartz Surface Warranty.

VP — International Logistics & Trade Operations