

QAME (Qingdao Andelaike Mechanical Engineering Co., Ltd.) manufactures chromium carbide overlay wear plate, tungsten carbide overlays and ceramic wear liners at Jiaozhou, Qingdao, and fabricates them into finished chute, hopper and transfer-point liners for mining, cement, steel and power customers worldwide. Formerly Enduraclad International China, the plant has built overlay plate to Australian wear-parts specifications since 2010 and ships FOB Qingdao with test certification on every plate.

Product range

Product	What it is	Where it is specified	Typical hardness
QCLAD™ 50 / 60 / 80 / 90	Multi-bead chromium carbide overlay on a weldable mild steel base, to AS/NZS 2576:2005 grades 2355 / 2455 / 2560 (60 / 80 / 90)	Sliding abrasion with impact: chutes, hoppers, bins, truck trays, screens, fan blades	>630 HV30 (~57 HRC); QCLAD 90 700–780 HV30
FLOWCLAD™ 50 / 60 / 80 / 6000 / 8000	Smooth-surface, non-directional chromium carbide overlay; can be rolled in any direction; polish to Ra < 0.5 µm on request	Flow-critical surfaces: transfer chutes, feeders, cyclone and classifier liners, sticky ores	HRC 58–65 by grade
MAXCLAD™ 6000 / 8000	Tungsten carbide reinforced chromium carbide overlay (tungsten series, fused WC in the inter-carbide spacing)	Fine, hard particle abrasion with continuous impact; the step up from standard CCO	>700 HV30; ASTM G65 < 0.15 g (6000)
QMAX™ 50	50% fused tungsten carbide in a Ni-Si-B matrix, PTA deposited; flat sheet or direct to shaped parts	Severe sliding abrasion with medium impact: GET, fan blades, mixer paddles, extruders, skirt liners	>700 HV30; WC >1900 HV0.1
QCLAD™ X2	Bi-layer overlay: an impact-tolerant Q1 underlayer capped with a Q2 hard wear layer, on mild steel or NM backing	Heavy impact plus abrasion where a single hard layer would spall: crusher feed, dead boxes, primary transfer	On request
QBRAZE™ 2000	Solid cemented tungsten carbide (WC-Co) tiles vacuum-brazed in a mosaic onto a Q355B steel backing	Extreme sliding abrasion beyond welded overlay: post-crusher chutes, cyclone and classifier wear zones	Tile ≥88 HRA (~70 HRC)
QCERAM™ 92 / 95 / ZTA / CRS	High-purity alumina and zirconia-toughened alumina tiles and liners; CRS ceramic-rubber-steel bolt-on panels	Sliding abrasion, low to moderate impact: cyclones, launders, pipe spools; ZTA for impact zones	≥85 HRA alumina; ZTA ≥90 HRA
QARC™ 60 / 80 / 90 / 6000	Open-arc flux-cored hardfacing wires matched to the plate grades	Site repairs, capping plug welds and joints, rebuilding worn parts	Matches plate grade

Base plates: Chinese mild steel as standard; NM400 / NM450 / NM500 backing on request. Thicknesses are written overlay first (8+10 = 8 mm hardface layer on 10 mm backing) and the meaning of each number is stated on every quotation and certificate.

Standard sheet sizes

Overlay plate (QCLAD™, MAXCLAD™, QCLAD™ X2)	1100 × 2300 · 1200 × 2400 · 1480 × 3050 · 1500 × 3000 · 2000 × 3000 · 2200 × 3000 mm
Smooth plate (FLOWCLAD™)	3000 × 1000 · 3000 × 1200 mm
Thickness and cutting	Hardface layer 5–50 mm on 5–20 mm backing, from 5+5 up to 50+20. Full sheets at the sheet price; any other size cut to drawing and priced per m ² plus cutting.

Fabrication and services

- Plasma cutting to drawing, cut from the backing side; plug-weld, countersunk and counterbored holes, threaded studs
- Rolling and press forming to radius (perpendicular to bead for QCLAD™; any direction for FLOWCLAD™)
- Fabricated chute, hopper and transfer-point liners, assembled and trial-fitted; kits marked and colour-coded for site fit-up
- Hybrid linings: ceramic tile with chromium carbide or QBRAZE™ at the impact zone
- Polished overlay surface (Ra < 0.5 µm) for sticky or flow-critical material
- Hardness, chemistry, overlay-thickness map and flatness checked and certified on every plate
- Export packing, packing list, commercial invoice and certificate of origin (ChAFTA, RCEP, Form E)
- FOB Qingdao; CIF / CFR to your port on request

Why QAME

Specification you can hold us to	AS/NZS 2576:2005 grades with certified hardness and chemistry per plate; ISO 9001:2015 quality system.	Finished liners, not just plate	Cut, formed, drilled and trial-assembled in Qingdao, shipped ready to bolt or weld in.
One supplier for the whole wear zone	Chromium carbide, tungsten carbide, brazed carbide and ceramic from one plant, so impact and abrasion zones mix in one liner set.	Direct access to the makers	Engineering and quoting handled by QAME's directors and technical team in Qingdao and Australia.

Technical guides, a grade selector and a plate-weight calculator are at www.qame.cn. Send a drawing or a photo of the worn liner to sales@qame.cn and we will return a priced proposal with grade, thickness and fixing detail.