

Special High Grade Zinc (SHG) 99.995% Technical Datasheet

Uses

Zinc slabs and ASTM jumbos of high purity for tube, wire, sheet or general galvanizing, ZnO production and die cast alloying. The slabs are of a unique interlocking design for sturdy bundle integrity in transit and are complete with 4 foot slabs for easy material handling on the shop floor.

AZP SHG (99.995%) slabs conform to the specifications covering quality, shape, and weight as defined by the special contract rules of the LME Standards. LME qualification in progress during 2019.

Chemical specification

Chemical specification	Guaranteed Analysis	Anticipated SHG analysis
Pb	≤ 0.003%	0.0015%
Cd	≤ 0.003%	0.0002%
Fe	≤ 0.002%	0.0002%
Sn	≤ 0.001%	0.0001%
Cu	≤ 0.001%	0.0002%
Al	≤ 0.001%	0.0001%
Total of 6 elements above Zn, min.	≤ 0.005%	<0.0030%
	99.995%	

Standards

Standards	Grade
European	EN1179:2003
International	ISO752:2004
American	ASTM B6-12
	Z1
	ZN-1
	LME (Z12002)

Physical data

Physical property	Unit	Value
Density solid	kg/dm ³	7.14
liquid (@ 419°C)	kg/dm ³	6.62
Melting point	°C	419
Superficial tension (@ 450°C)	N/m	0.78
Melting enthalpy	kJ/kg	100
Thermal Capacity solid	J/kg K	460
liquid	J/kg K	628

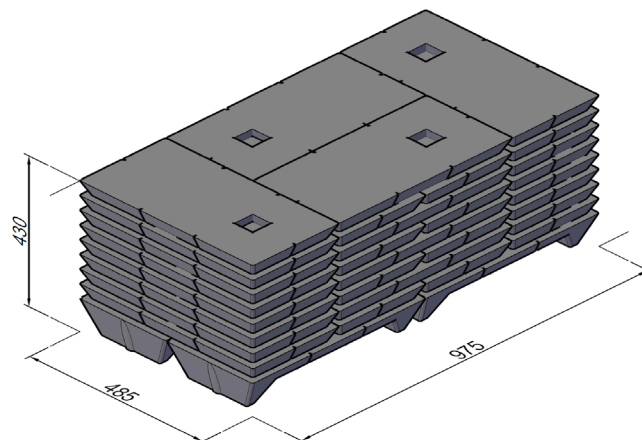
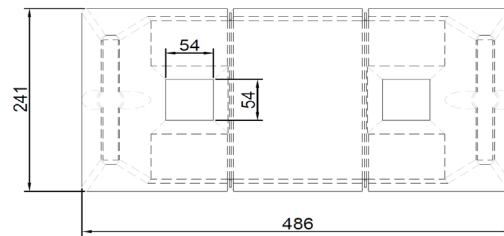
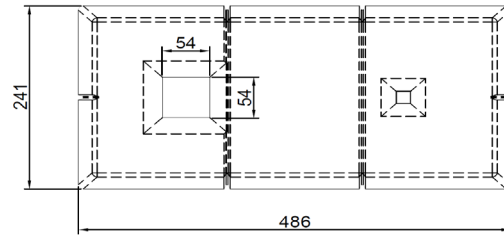
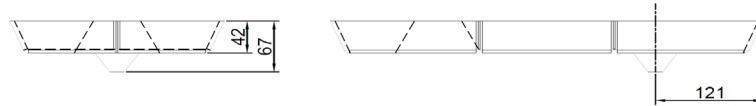
Available shapes/package

Shape/package	Nominal weight (in pounds)	Dimensions (in mm)
Slab	55lb	486 x 241x 42 (67 at stacking nodule)
Slab bundle (36 slabs per bundle)	2000lb	975 x 485 x 430
ASTM Jumbo	2200lb	1260 x 508 x 312

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Slab and Slab Bundle details

Nominal mass per slab 55 lb
Dimensions as shown below



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ASTM Block (Jumbo) details

Nominal mass 2200 lb
Dimensions 1260 x 508 x 312

