

# 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

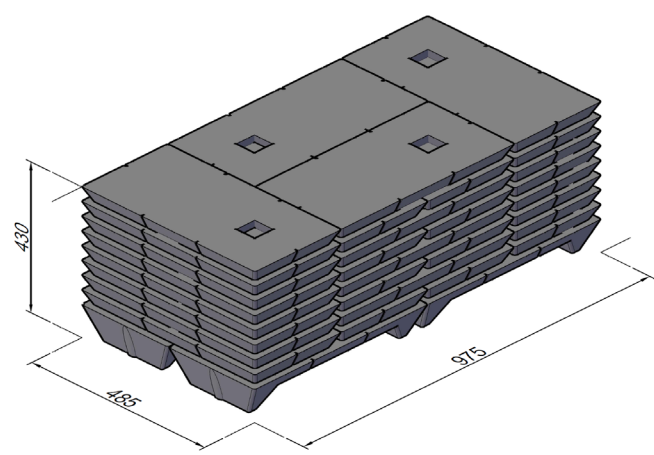
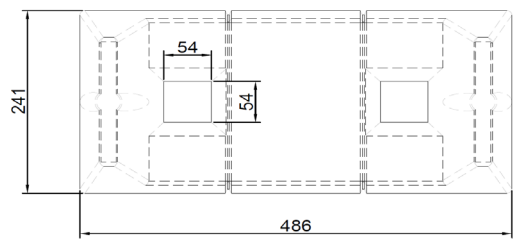
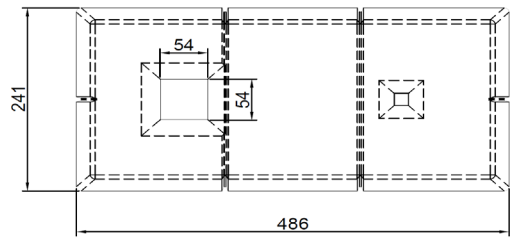
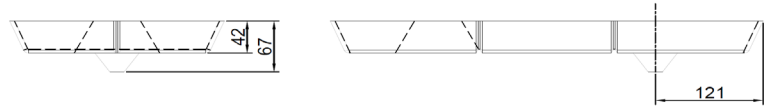
Physical property	Unit	Value
Density solid	kg/dm <sup>3</sup>	7.14
liquid (@ 419°C)	kg/dm <sup>3</sup>	6.62
Melting point	°C	419
Superficial tension (@ 450°C)	N/m	0.78
Melting enthalpy	kJ/kg	100
Thermal Capacity solid	J/kg K	460
liquid	J/kg K	628

### 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

# Special High Grade Zinc (SHG) 99.995% Technical Datasheet

Slab and Slab Bundle details Nominal mass per slab 55 lb  
Dimensions as shown below



# Special High Grade Zinc (SHG) 99.995% Technical Datasheet

ASTM Block (Jumbo) details

Nominal mass 2200 lb  
Dimensions 1260 x 508 x 312

