



Description:

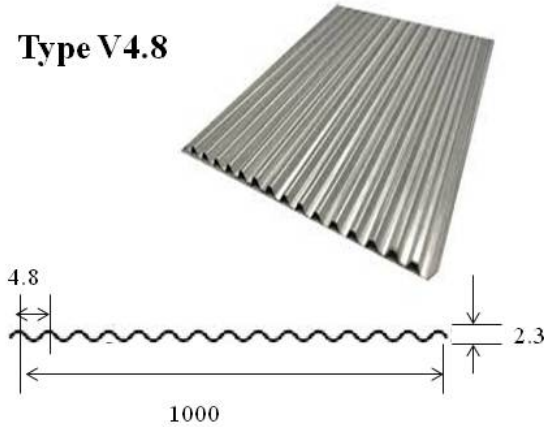
Huali Aluminum corrugated jacketing are available in four different nominal corrugation profiles, in smooth or stucco embossed surface finishes. The corrugation profiles are engineered to provide strength and stiffness superior to that of standard aluminum jacketing. Aluminum corrugated jacketing are a premier protective outer surface for mechanical insulation systems on flat surfaces, equipment, towers, vessels, and vertical cylindrical tanks with an outer diameter larger than 8 ft. Huali aluminum corrugated jacketing protect the insulation and underlying surface from physical damage, UV exposure, corrosive atmospheres, and water.



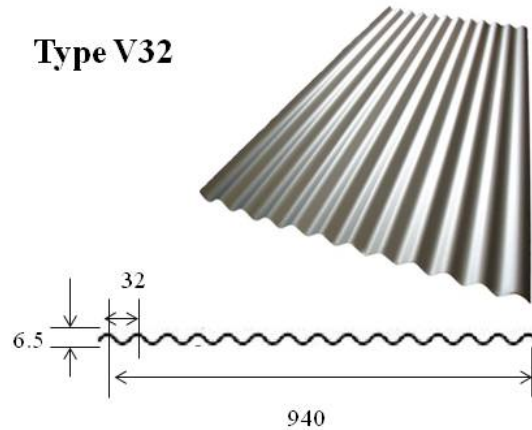
Specification

Huali has four corrugations available. The following drawings are measured in millimeter.
 Type V4.8 (3/16"), Type V32 (1-1/4"), Type V65 (2-1/2") Type 820 (box ribbed)

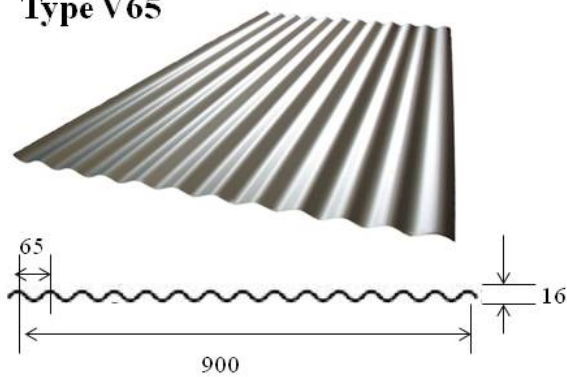
Type V4.8



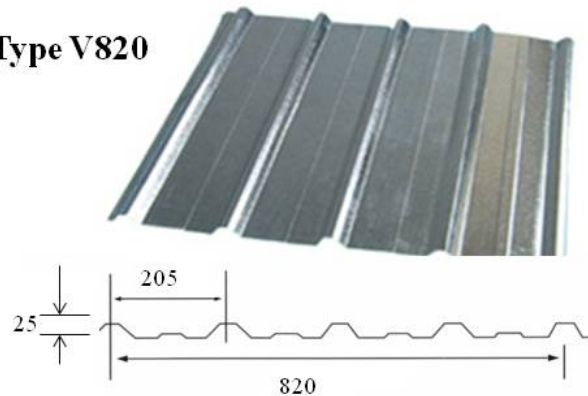
Type V32



Type V65



Type V820



Type	Length (m)	THK (mm)	Covering width (mm)	Alloy No.	Surface finish	PFMB
V4.8	20-30	0.4-1.0	1000	1060 /3003	Smooth / embossed	PSMB / PKMB
V32	2-4	0.4-1.0	940	1060 /3003	Smooth / embossed	PSMB / PKMB
V65	2-4	0.4-1.0	900	1060 /3003	Smooth / embossed	PSMB / PKMB
820	2-4	0.4-1.0	820	1060 /3003	Smooth / embossed	PSMB / PKMB



Composition

Commercially pure aluminum is relatively soft and less suited for use in this application. Its strength can be greatly improved by alloying with small percentages of one or more other elements such as manganese, silicon, copper, zinc, and magnesium. Additional strength can be achieved by cold working. Huali aluminum jacketing is typically manufactured using alloys 1060 or 3003 which have very similar composition and performance and are considered interchangeable for use as insulation jacketing, in compliance with standard ASTM B 209. For the other aluminum alloy No. please contact us directly.

Alloy	Si	Fe	Cu	Mn	Mg	Zn	Ti	Al	Else
1060	0.25	0.35	0.05	0.03	0.03	0.05	0.03	99.6	0.03
3003	0.6	0.7	0.05-0.2	1.0-1.5	-	0.10	-	remainder	0.15

Application

- Type V4.8 (3/16") corrugation is used for the bigger diameter of pipeline
- Type V32 (1-1/4") and type V65 (2-1/2") corrugation are used for the bigger equipment, vessel, device, tank farms, fractionation units, cokers, chemical storage tanks, breechings, large ducts, wastewater and sewage storage tanks and large vertical ammonia storage tanks.
- Type 820 corrugation is used for the boiler, horizontal cylindrical tanks, building etc.

Installation

The corrugations are designed to nest or match so that the overlap of a sheet placed vertically above another sheet will fit tight, lie flat, and keep the two deep corrugated sheets parallel. The overlapping shall be fixed with rivet and sealed, meanwhile, fastened with band and clip if for industrial pipe and tank or some like that.

Joints sealing

The joints between neighboring pieces of corrugated sheet are not typically sealed. In the specifier wants a more water tight seal, the vertically oriented overlap joint between corrugated pieces horizontally adjacent to one another can be sealed with an appropriate joint sealant. This should be applied between the overlapping pieces of metal in the joint and not as a caulking bead on the exterior lip of the joint.

