



# HULAMIN

## ROLLED PRODUCTS

### 4017 Data Sheet

This alloy is registered in EN 573-3 as 4017

Material can be supplied in the mill, painted and stucco embossed finishes

#### Chemical Composition (in weight %)

%	Si	Fe	Cu	Mn	Mg	Zn	Others Each		Al
							Each	Total	
min	0.6	-	0.10	0.6	0.10	-			Bal
max	1.6	0.7	0.50	1.2	0.50	0.20	0.05	0.15	

#### Mechanical Properties (in weight %)

Temper	Proof (MPa)	UTS (MPa)	% Elongation	Bend Radius	
	(minimum)		(minimum)	(90° bend)	(180° bend)
H16	150	175 - 225	2%	½T	2T
H18	180	200 - 265	2%	1T	2½T
H44	110	140 - 185	4%	0T	1T
H46	150	175 - 225	2%	½T	2T
H48	180	200 - 265	4%	1T	2½T

#### Physical Properties

Property Value Unit	Value	Unit
Density at 20°C	2.72	g/cm <sup>3</sup>
Melting Range	560 - 640	°C
Thermal Capacity	900	J / kg°C
Thermal Conductivity	200	W / m°C
Thermal Expansion	23 x 10 <sup>-6</sup>	/ °C
Resistivity at 20°C	32	nΩm
Modulus of Elasticity	70	GPa
Modulus of Rigidity	27	GPa

#### Corrosion resistance

According to field tests, EN 4017 exhibits similar results as standard 3 series alloys

#### Surface Treatment

Suitable for coil coating, powder and spray coating.

#### Formability

Has good formability. Suitable for roll forming and fabrication

#### Weldability

This product can be welded by MIG, TIG, LASER and high frequency methods. Recommended welding wire is 4043 however other wires can also be used.

#### Applications

- General sheet metal work where good strength and formability is required.
- Building products like roofing and cladding systems, decorative assemblies in architectural structures, ducting, cabinet making and sign making are some of the uses.