

4017 H22 TREAD BRITE

4017 is registered in EN 573-3 as 4017. Material can be supplied in the mill, painted and stucco embossed finishes.

Stock Code	Size in Inches	Approx Wt/Sheet
50-17-520	.063 x 48 x 96	33.31
50-17-220	.063 x 48 x 120	42.80
50-17-60120	.063 x 60 x 120	52.90
50-17-252	.080 x 48 x 96	40.50
50-17-203	.100 x 48 x 96	46.03
50-17-198	.125 x 48 x 96	61.46
50-17-196	.125 x 48 x 120	77.36
51-17-193	.125 x 48 x 144	92.19
51-17-198	.125 x 60 x 144	112.80
50-17-577	.188 x 48 x 144	137.50
50-17-226	.188 x 60 x 144	171.07
50-17-233	.250 x 48 x 144	177.60

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: Good formability suitable for roll forming and fabrication.

WELDABILITY: 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.

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 ³
Melting Range	560 - 640	°C
Thermal Capacity	900	J / kg°C
Thermal Conductivity	200	W / m°C
Thermal Expansion	23 x 10 ⁻⁶	/ °C
Resistivity at 20°C	32	nΩm
Modulus of Elasticity	70	GPa
Modulus of Rigidity	27	GPa

