

RADECOL®

High-strength steel for lightweight panel radiators

RADECOL is a family of cold-rolled products that are tailor-made for radiator panels. The improved shape consistency and high strength enables manufacturers to use thinner steel to produce lightweight radiators and improve production yield.

RADECOL is rolled on Tata Steel's continuous annealing processing line which delivers homogeneous steel with consistent surface quality, tight thickness tolerances and exceptional flatness. The reliable quality makes RADECOL ideal for trouble-free, repeatable processing.

Mechanical properties

Grade	Yield strength $R_{p0.2}$ N/mm ²	Tensile strength R_m N/mm ²	Min. elongation after fracture A %
RADECOL 0	200 – 290	310 – 390	30
RADECOL 2	245 – 330	350 - 440	26
RADECOL 3	300 – 380	380 - 480	23

Chemical composition

Grade	C	Mn	Si	P	S	Al _{sol} Min.
	Max.	Max.	Max.	Max.	Max.	
RADECOL 0	0.085	0.55	0	0.03	0.03	0.015
RADECOL 2	0.12	1.10	0.5	0.10	0.025	0.015
RADECOL 3	0.11	1.00	0.5	0.12	0.025	0.015

Values in weight%

Available dimensions

Thickness mm	Max. width mm	RADECOL 0	RADECOL 2	RADECOL 3
From - up to				
0.90 - 0.95	1820	1820	1750	
0.95 - 1.00	1820	1820	1750	
1.00 - 1.10	1820	1820	1750	
1.10 - 1.20	1820	1820	1750	

Minimum width is 911mm

Please contact us for dimensions beyond those shown in the table.

Applications

Steel panel radiators.

Relationship with standards

RADECOL is supplied to Tata Steel's own standard. There is no direct EN standard equivalent.

Product support

RADECOL is backed by support from Tata Steel's Customer Technical Services (CTS) team. Our knowledgeable and proactive team offers technical consultancy and practical hands-on support. Working with you, we help you to get the best from our advanced RADECOL products. Focusing on quality, we can tailor product and process solutions to suit you.



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