

Stainless Steel

The Material of Choice for Safe Swimming Pools



Aqua Centre, Lourdes - France - Atelier Gil Architecture

Did you know?

Did you know stainless steel can make swimming pools safer? Thanks to its excellent corrosion resistance, stainless steel pools are less likely to leak than tile pools. They're also easier to clean, meaning a lower risk for bacterial growth. Swimming pools are seeing a renaissance. Not only are cities and companies refurbishing old pools popular for lap swimming and exercise, they're also busy building new ones - including complex water parks complete with slides, rides and lazy rivers. Regardless of the size or shape, pool designers everywhere demand a material that can increase safety and decrease cost. That material is stainless steel.

The advantages of stainless steel



- > Only stainless steel can reduce operating and maintenance costs without compromising safety, hygiene or comfort
- > A durable material whose appearance never deteriorates
- > Easy to clean
- > Able to withstand a wide range of operating temperatures
- > Unlike tile pools, stainless steel pools do not leak
- > Surface properties and assembly process limit risk of bacterial growth
- > Minimal maintenance requirements mean lower operating costs and an attractive ROI



Indoor swimming pool, Saint-Omer - France
AUXIFIP / Jacques Rougerie - BC INOXEO for the realization of stainless steel pools



Swimming pool, Courchevel - France
HSB Austria © Aldo Amoretti

A Stainless Steel Solution for Every Swimming Pool Application

- > Pools (including edges, overflow gutters, partitions, etc.)
- > Ladders
- > Diving boards and starting platforms
- > Water distribution systems

Our Grades

For most pool applications, we recommend using 316L austenitic grade.

For applications used in harsh environments, such as thermal spas, we recommend using duplex grade stainless steel (DX2205, DX304), which offers even higher properties than 316L austenitic grade.

Commercial designations	Standards			Chemical composition in % (typical values)							
	ASTM		EN	C	Si	Mn	Cr	Mo	Ni	Other	
	Type	UNS									
Austenitics	316L	316L	S31603	1.4404	0.025	0.40	1.20	16.80	2.10	10.10	-
Duplex	DX 2205	2205	S32205	1.4462	0.02	0.30	1.80	22.80	3.10	5.50	N = 0.17
	DX 2304	2304	S32304	1.4362	0.02	0.40	1.50	23	0.50	4.90	N = 0.10



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