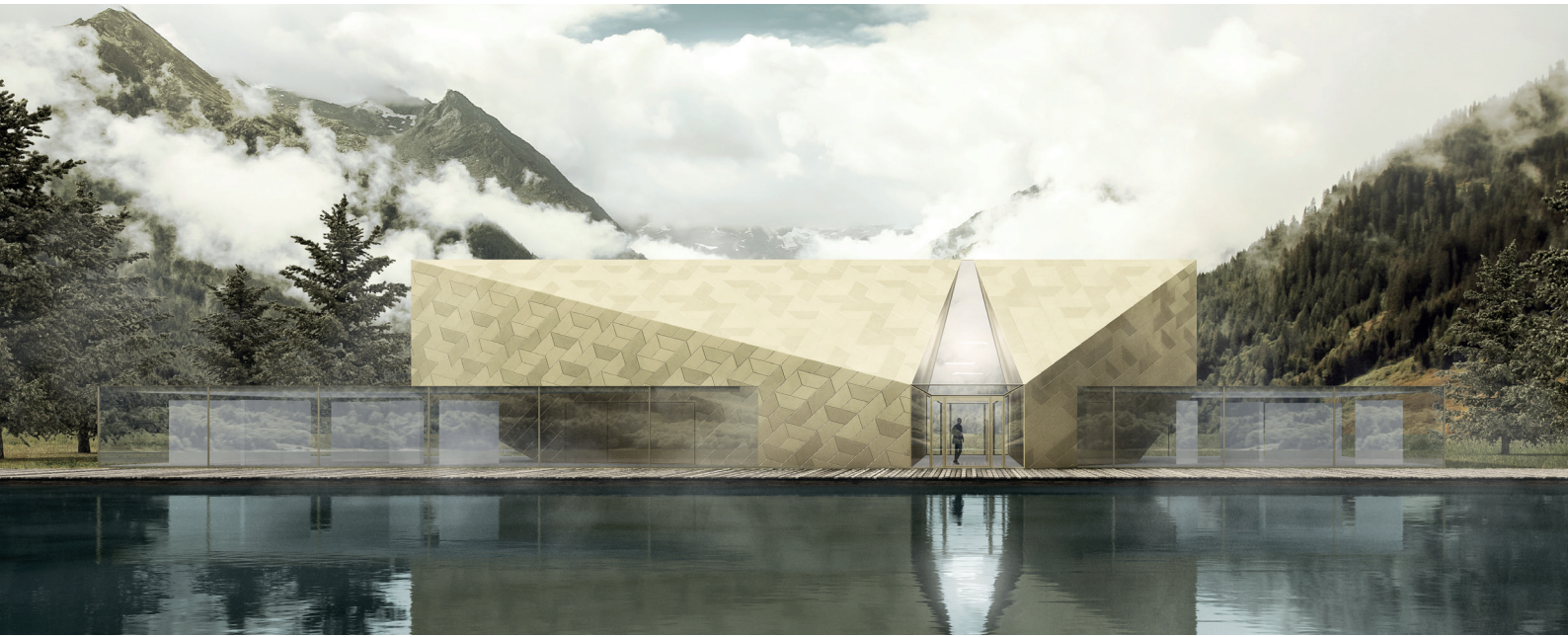


SUITABILITY TABLE

ALUMINIUM ALLOY FOR ANODIC OXIDATION



ARCHITECTURE & DESIGN

	Brand	European standard	Type	Decorative transformation
Sheets and plates	Pure aluminium -99,5	EN AW-1050A	AlMg1	very good
	55HX®	EN AW-5005	AlMg1	very good
	B57S	EN AW-5005A	AlMg1	very good
	HRC57S	EN AW-5005	AlMg1-B	very good
	G77Ac	EN AW-3004	AlMn1Mg1	for Permagrey only
Profiles	Extrudal 043	EN AW-6060	AlMgSi	very good
	Extrudal 050	EN AW-6063	AlMg0.7Si	very good
	Anticorodal 053	EN AW-6063A	AlMg0.7Si	very good
	Vitral 99.9	EN AW-6401	Al99.9MgSi	very good

Please be sure to use "Anodising quality for decorative anodising" for architectural applications. Depending on the alloy, the appearance of the anodising layer (oxide layer) may change. Even with colourless anodising (EV1), the natural shade varies from silvery grey, in case of pure anodising quality to slate grey with aluminium containing a high percentage of foreign metal. We also recommend using sheets of the same alloy or coil for large objects.

SUITABILITY TABLE

ALUMINIUM ALLOY FOR ANODIC OXIDATION



MECHANICAL ENGINEERING

	European standard	Type	Technical transformation	Decorative transformation
Wrought alloy	EN AW-1050A	Al99,5	very good	very good
	EN AW-2011	AlCu6BiPb	moderate	poor
	EN AW-2014A	AlCu4SiMg(A)	moderate	moderate
	EN AW-2015	AlCuMgSn	moderate	poor
	EN AW-2017A	AlCu4MgSi(A)	moderate	moderate
	EN AW-2024	AlCu4Mg1	moderate	moderate
	EN AW-2030	AlCu4PbMg	moderate	poor
	EN AW-3003	AlMn1Cu	very good *	moderate
	EN AW-3113	AlMn1	very good	moderate
	EN AW-5005	AlMg1	very good	moderate
	EN AW-5052	AlMg2,5	very good	moderate
	EN AW-5083	AlMg4,5Mn0,7	very good	moderate
	EN AW-5086	AlMg4	very good	moderate
	EN AW-5454	AlMg3Mn	very good	moderate
	EN AW-5754	AlMg3	very good	moderate

* Limited suitability for Ematal anodising.

SUITABILITY TABLE

ALUMINIUM ALLOY FOR ANODIC OXIDATION

	European standard	Type	Technical transformation	Decorative transformation	
Wrought alloys	EN AW-6005A	AlSiMg(A)	very good	good	
	EN AW-6012	AlMgSiPb	good	moderate	
	EN AW-6018	AlMg1SiPbMn	good	moderate	
	EN AW-6023	AlMgSi1Sn1Bi	good	moderate	
	EN AW-6026	AlMgSiPb0.4	very good *	good	
	EN AW-6060	AlMgSi	very good	very good	
	EN AW-6061	AlMg1SiCu	very good *	moderate	
	EN AW-6062	AlSiMgBi	very good	good	
	EN AW-6262A	AlMgSiSn	very good	good	
	EN AW-6063	AlMg0,7Si	very good	very good	
	EN AW-6063A	AlMg0,7Si	very good	very good	
	EN AW-6082	AlSi1MgMn	very good	good	
	EN AW-7010	AlZn6MgCu	very good *	poor	
	EN AW-7019	AlZn4Mg2Mn	very good *	moderate	
	EN AW-7020	AlZn4,5Mg1	very good *	moderate	
	EN AW-7022	AlZn5Mg3Cu	good *	moderate	
	EN AW-7035	AlZnMgCu	moderate	poor	
	EN AW-7049A	AlZn8MgCu1,5	good *	poor	
	EN AW-7075	AlZn5,5MgCu	very good *	poor	
	AA-7122	AlZnMgCu	very good *	poor	
	EN AW-7175	AlZnMgCu	good *	poor	
	Casting alloys	EN AC-42100	G-AlSi7Mg	good *	moderate
		EN AC-51000	G-AlMg3Si	good	good
EN AC-43300		G-AlSi9Mg	moderate	poor	
EN AC-43000		G-AlSi10Mg	moderate	poor	
Die casting alloys	EN AC-46200	GD-AlSi8Cu3	moderate	poor	
	EN AC-43400	GD-AlSi10	moderate	poor	
	EN AC-43000	GD-AlSi10Mg	moderate	poor	
	EN AC-51400	GD-AlMg7SiFe	moderate	poor	

* Limited suitability for Ematal anodising.

Depending on the condition of the alloy, the appearance of the anodising layer (oxide layer) may change. For decorative anodisation layers, be sure to use "Anodising quality for decorative anodisation". Cast alloys are only suitable for decorative anodising to a limited extent. The validity of the above information must be verified by sampling.