



Aluminium Alloy Coil Supplied for Standing Seam Roofing Application

Aluminium alloy coils as supplied to Keybemo by Hydro Aluminium Rolled Products conform to Euronorm Specification BSEN 573-3 : 1995 AW-3005 with regard to **chemical composition** (figures detailed are max. % by mass unless a range is shown):

Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ga	V	Ti	Others		Aluminium
											Each	Total	
0.6	0.7	0.30	1-1.5	0.2-0.6	0.10	-	0.25	-	-	0.10	0.05	0.15	Remainder

Mechanical properties are in accordance with Euronorm Specification BSEN 485-2 : 1994

Temper	Specified thickness (mm)		Ultimate tensile strength (R _m) MPa			Yield strength (R _{p0.2}) MPa		Elongation (A ₅₀) %		Bend Radius*	Hardness Brinell *
	over	up to	min.	max.	typ.*	min.	typ.*	min.	typ.*		
H27	0.5	1.5	215	255	230	195	210	4	6	90° 2t	62

* Typical figures are for information only, and do not form part of the standard.

The coils supplied will be manufactured at our Rolling Mill in Holmestrand, Norway, and production is based entirely on recycling.



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Aluminium – Recycling & Reducing Waste

Waste products represent a growing challenge for modern industrial societies. The depositing or incineration of most types of materials can lead to air, water & soil pollution – and is a poor utilisation of resources.

Aluminium is a young and versatile material, which thanks to its unique properties, has been used successfully in a variety of applications in building construction. From both an environmental and economic perspective, its most significant characteristic is that it is 100% recyclable with no downgrading of its properties. In a nutshell, aluminium building products can be remelted and transformed into billets and ingots for new extruded and rolled products.

The Holmestrand Rolling Mill was established in 1917. Since the early 1990's, considerable investments have been made in a large and modern remelting facility. In addition to the facility's modern equipment we have the necessary technological and metallurgical know-how, our key competence in recycling making us an international leader in the field. This has paved the way for the production of top quality rolled products from recycled material.

Aluminium is a material with excellent recycling properties. Only 5% of the energy required to produce the primary metal initially is required to remelt it, and the metal's properties are retained in the remelting process.