



**Technical Data**

**Road Tankers**

**Aluminium:** Hydro 5186 H111

**Chemical composition:** acc. AA

Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ga	V	Ti	Al
max. 0.4	max. 0.4	max. 0.25	0.2 - 0.5	3.8 – 4.8	max. 0.15	max. 0.4	max. 0.4	-	-	max. 0.15	Rest

(values in weight %)

**Mechanical properties:**

	tensile strength(Rm)	yield strength (R <sub>p0.2</sub> )	elongation(A <sub>5</sub> )	Rm x A5
	MPa	MPa	%	
Minimum guaranteed:	275	125	24	6,600

**Thickness range:** 4.5 – 10.0 mm

**Thickness tolerance:** -0 / +0.35mm or +/- 0.18 mm

**Width range:** 1,000 – 2,600 mm  
thickness > 8mm max. width 1600

**Sheet length:** 1,000 – 12,000 mm

**Properties:**

- Specific weight: 2,680 kg / m<sup>3</sup>
- Excellent weldability with TIG or MIG techniques
- Excellent formability (min. bending radius up to 6mm thickness: 1 x t)  
( t = thickness)