



XTRAL 728[®]

A GENERATION AHEAD

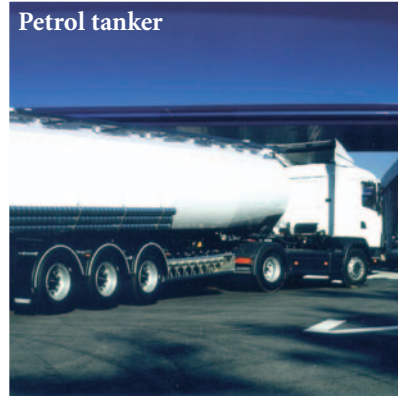


XTRAL 728®

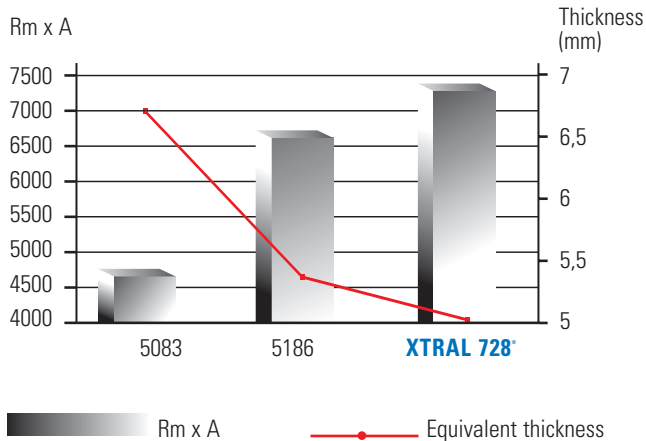
A generation ahead

A safer future

The new ADR regulations have reinforced the safety standards that apply to the transport of dangerous products thereby strengthening the position occupied by aluminium, a metal that already offers significant advantages. The intrinsic qualities of Alcan's XTral 728® in fact exceed the requirements. XTral 728® is specifically intended to build tankers used to transport dangerous materials safely. Its outstanding formability is the guarantee that it will withstand impact and ensure safety. XTral 728® is the fruit of Alcan's ability to innovate and its perfect mastery of the technology needed to design and produce the new alloy.



XTRAL 728®



X-TRAL .728 H111 236

Technological innovation and safety

Alcan created and developed XTral 728® at its research centre in close consultation with industrial vehicle manufacturers and specialists with whom it has enjoyed a relationship based on trust for several decades.



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An environment friendly alloy

XTral 728® is a totally recyclable alloy. Its lighter weight and resulting energy savings mean that XTral 728® complies with the demands of sustainable development.



The new generation in the lead

Tighter tolerances



Tighter tolerances facilitate easier welding, processing and optimise the weight reduction.

Improved resistance to corrosion



The increased resistance to corrosion of XTral 728® combined with correct use results in excellent life in service.

Easier forming



Forming is made easier by the metal's excellent formability and bendability. Safety is reinforced by its capacity to absorb energy in the event of impact.

Improved weldability



Facilitates assembly of welded tankers.

High surface quality



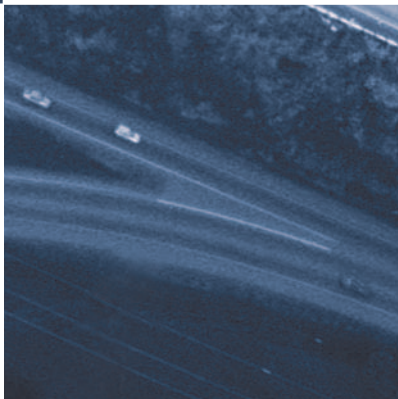
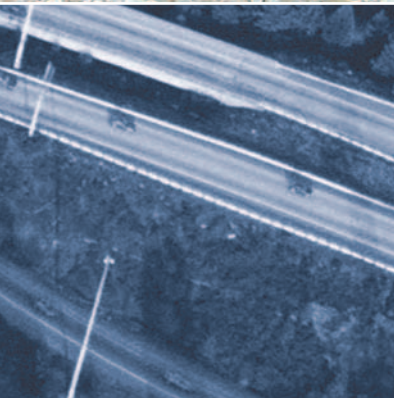
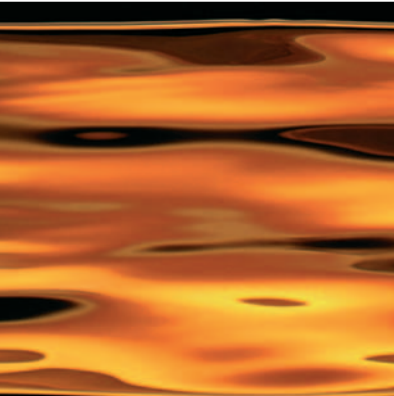
XTral 728® presents high surface quality in terms of:

- hygiene: it is simple to clean the inside of the tankers,
- appearance: even when used without an additional coating it has an attractive exterior.

A variety of precut shapes



Our Associated Services are full and varied and can provide a range of pre-cut shapes for tanker shells, end plates, etc.



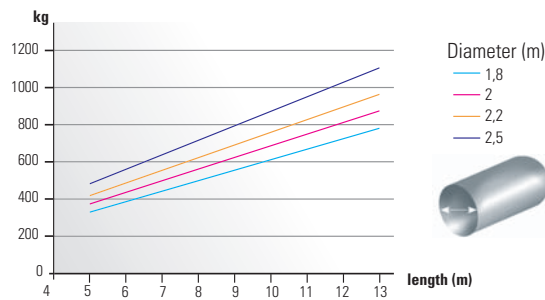
Weight saving equals cost savings

While it complies totally with the new and more demanding ADR regulations, XTral 728® permits the use of aluminium down to a thickness of 5 mm. The weight of the tanker is therefore much less and enables the carrying capacity to be increased significantly thereby considerably reducing the fuel consumption.

In the end downgaging results in less material being used, more products transported and less fuel is consumed resulting in higher profits for all the operators in the sector concerned.



Difference in weight between a 3 mm-thick stainless steel tanker consisting of a cylindrical shell and two circular ends and a 5 mm-thick XTral 728® tanker.



On the road to the future

For several decades the Issoire plant has been seen as a leader in the industrial vehicle bodywork sector and continues to innovate particularly in the essential field of developing new alloys to reduce the thicknesses. XTral 728® has been created and patented by Alcan and is in line with the move towards sustainable development promoted throughout the world. Under the partnerships it has created with producers and users, Alcan intends to further its efforts at making transport safer and more profitable while complying with society's new requirements for reduced pollution.



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