

Focus on

Aluminium car front section reduces emissions



According to a new study from the Institut fur Kraftfahrwesen Aachen (IKA) carried out in cooperation with the European Aluminium Association, an aluminium concept front section for a C-Class vehicle reduces weight as well as exceeds the

structural performance. In addition to the advantages in driving performance and safety, there are also significant emission savings over the lifetime of the car. The study analyses the application of aluminium for the structural components of the front section of a state-of-the-art C-class vehicle. Numerical simulation indicates a weight reduction potential of 35% considering the exact design space limitations of the reference vehicle. In a Progressive approach, the design space was expanded as far as possible with respect to the major package components of the reference vehicle to allow more design freedom and encourage innovative ideas. In this case, ..read more

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Dubai World Trade Centre  
4th edition  
22 - 24 April 2007  
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Latest picks

4th Edition of the National Days of Welding

The 4th Edition of the National Days of Welding was previewed to the press last Tuesday 6th March at Palazzo Serbelloni, venue of the Milan Press Club. This event is organized by the Italian Institute of Welding (IIS) on 25th and 26th October at the Congress Centre "Magazzini ..read more

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OnLine picture gallery



Work surface

How does the aluminium market work?

What is Aluminum Market going to be like in 2007? What is going to happen? What are the new price trends? Is the commodity "supecycle" over or is it only "pausing for breath"? What is China, and the other Far East countries, going to do? Where is it better to purchase, ..read more

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Edimet publications



World smelting

Primary production in North America

Based on The Aluminum Association surveys, the U.S. annual Rate of primary aluminum production totaled 2,428,514 tonnes in February 2007, up 4.1% over February 2006 rate of 2,333,940 tonnes, and Feb 2007 production was 2.4% on an annualized basis from January 2007 when 2,370,757 tonnes were produced. The annual rate of production totaled 2,398,168 t, up to 3.2% over the 2006 annual rate of 2,324,357 t. Actual production or the month of February 2007 totaled 186,297 t. As far as Canada is concerned the Aluminum Association of Canada said that ..read more

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**Metal Prices**

Non Ferrous Metal prices  
LME official of 03/16/2007

	Cash (ASK)	3 months (ASK)
Aluminium	0	0
Aluminium alloy	0	0
Nickel	0	0
Lead	0	0
Copper	0	0
Tin	0	0
Zinc	0	0

**Technical analysis: by Kauffmann & Sons**



**Aluminium QUOTATION (USD)**

	3 MONTH		CASH		Support
	BID	ASK	BID	ASK	
Resistance					
2900	2793	2798	2713	2718	2670
2850					2550
	Totals		Movements		
STOCKS	797700		-25		
RSI	55,65				
Short period trend			SIDE		
Medium period trend			SIDE		

ASK : the quoted market selling price.  
 BID: the quoted market buying price  
 CASH: the current price in the market for cash/spot contracts  
 3 MONTHS: the current price in the market for a delivery delayed of 3 months  
 SUPPORT: a price area where new buying is likely to come in and stem any decline  
 RESISTANCE: a price area where new selling will emerge to dampen a continued rise

**News from the aluplanet.com archive**

**Production and use of extrusions in Italy**

In 2005 the Italian extrusion industry showed a fallback compared with the previous year in terms of both production - 483,500 tonnes compared with 501,000 - and of uses - 348,000 tonnes compared with 365,000; this latter figure in particular, which represents the minimum for the  
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**Defects in medium strength alloy extrusions**

In the present paper, three of the most commonly found defects in medium strength 6000 series alloy extrusions are discussed in the form of case studies. The defects covered include: low mechanical properties, inclusions and coarse-grained surface layers.  
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**Structural trends in the European foundry industry**

During the fourth edition of the International Foundry Forum, which was held in Cascais, Portugal, on 28-29 September, 2006, Klaus Urvat, General Secretary of Caef (European Foundry Association), presented a wide-reaching synthesis dedicated to the foundry compartment. The secretary  
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**Upcoming Events**

- 20 - 24 Mar 2007 Barcelona, Spain Maquitect 2007
- 21 - 23 Mar 2007 Amsterdam, The Netherlands IARC 2007- International Automobile Recycling Congress
- 22 - 24 Mar 2007 Parma, Italy Mec Spe

An updated list is available on [www.aluplanet.com](http://www.aluplanet.com)



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