



# T H E WHITE SITE

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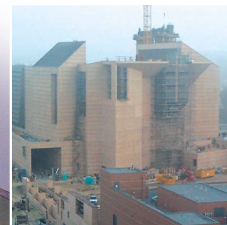
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AALBORG WHITE® is white cement – a product of nature's own raw materials, refined with unparalleled technology, for use in the creation of beauty and functionalism.

## NEWSLETTER FROM AALBORG WHITE®

### Cathedral of Our Lady of the Angels Los Angeles, Ca. USA

*Model picture of Our Lady of the Angels showing how the cathedral will look in September 2002.*



*The construction site as it looked on 24th September 2001.*

*Written by Roger Bartholome, Sales Representative, Lehigh White, California*

On October 14, 1998, construction began on the "Cathedral of Our Lady of the Angels" Catholic Church, located in downtown Los Angeles. The Roman Catholic Archdiocese of Los Angeles announced the \$136.5 million project in early 1995, and the new church will replace the previous building that suffered substantial damage in the 1994 earthquake.

Following the extensive testing of several cements, **AALBORG WHITE®** was the final choice for use in producing the 24,000 cubic yards of architectural concrete needed to complete the project. **AALBORG WHITE®** cement outperformed all other products because of its type V characteristics, a critical factor in controlling the heat of hydration in walls up to five feet thick.

The general contractor, Morley Construction Company, formed a partnership with Catalina Pacific Concrete to supply the ready-mix concrete. The project is nearing completion and to date has gone exceptionally well, consuming approximately 6,000 metric tons of **AALBORG WHITE®** cement. Both the owner and contractor have been extremely satisfied with the results using the **AALBORG WHITE®** product. It has not only controlled the hydration heat, but has also contributed to a uniform colour in the pigmented light-tan concrete. Prior to the decision to use **AALBORG WHITE®**, Morley builders visited the Aalborg Portland plant in Denmark in order to inspect and approve the company for the project.

The architect behind the project is the 59-year-old José Rafael Moneo from Madrid, Spain, who for a time during his studies worked for the

Danish architect Jørn Utzon at the beginning of the 1960s. Jørn Utzon is known internationally as the architect behind the famous Sydney Opera House in Australia.

Cardinal Roger Mahony, Archbishop of Los Angeles, says it is his dream and sincere hope that people will be attracted to the cathedral when they first see the building. It is also his hope that on closer acquaintance the size, proportions and sheer beauty of the cathedral will give people an inner peace and quietness, and a much-needed feeling of security in this house of God in a city marked by violence and crime.

The project is in its final stage, therefore Catalina Pacific Concrete is getting ready to use **AALBORG WHITE®** cement for yet another high-profile contract, the Getty Villa Renovation Project in Santa Monica, California. Although this project is not of the same magnitude as Los Angeles Cathedral, it will consume in excess of 1,000 cubic yards of architectural concrete, and will be highly renowned among leading architects all over the world.

In terms of logistics, the job of bringing white cement from Aalborg, Denmark, to Los Angeles is interesting, to say the least. However, with the help of the "team" from our organisations in the US and Denmark, this highly improbable endeavour has become a successful reality.

For further information about Los Angeles Cathedral, including a photo gallery and "live web cam", you are invited to visit their website: <http://cathedral.la-archdiocese.org>.

## AALBORG WHITE® Technical Team

Written by Svend Barnholdt, AALBORG WHITE® Technical Team

As a new member of the AALBORG WHITE® Family, Aalborg Portland has established the AALBORG WHITE® Technical Team. The team is cross organisational and consists of engineers from Sales and Marketing and engineers from the Research and Development Center.

Team objectives are to provide customers with the best possible technical service, to assist in developing and testing customers' products and to give customers new ideas for products of the future. In addition, the team will research new and improved uses of white cement in order to create even better solutions using white and coloured concrete and mortar.

The new team offers technical consultation by either personal visits or e-mail / telephone. In addition, the team will contribute to articles in trade magazines, provide presentations for customers, architects and other interested parties and contribute to the E-business project as well as other internal and external projects.

Aalborg Portland aims to make AALBORG

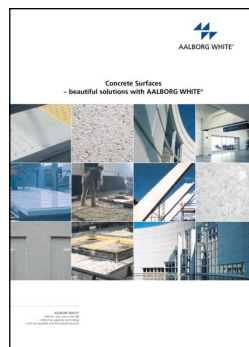
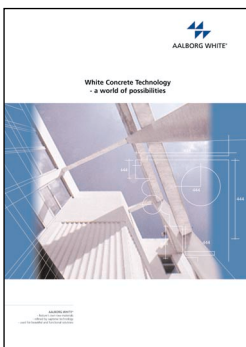
WHITE® the preferred white cement on the world market. Realising this objective will be achieved by, among other things, giving technical service high priority.

Everyone is very welcome to contact the Technical Team by e-mail [technicalteam@aalborg-portland.dk](mailto:technicalteam@aalborg-portland.dk)



AALBORG WHITE® Technical Team. From left to right: Robert Nielsen, Tommy Bæk Hansen, and Svend Barnholdt.

## New AALBORG WHITE® brochures on the way



Aalborg Portland is publishing two new technical brochures on white concrete. The brochures describe possibilities and methods of making durable and beautiful constructions in white concrete. The brochure "White Concrete Technology – A World of Possibilities" is designed for entrepreneurs and archi-

itects who require an introduction to the technology behind the use of white concrete as a construction material. The brochure "Concrete Surfaces – Beautiful Solutions with AALBORG WHITE®" is designed more for contractors and therefore describes in greater technical detail how surfaces should be made and subsequently treated, and of possible risks and how to minimise them.

**The brochures can be ordered via the web site [www.aalborg-portland.dk](http://www.aalborg-portland.dk)**

## ARTicles of AALBORG WHITE®



Mobile kitchen constructed using AALBORG WHITE® cement.

The two young Danish architects Anne Kamp and Mette Volf are very enthusiastic about concrete, which in their opinion should be sensual, delightful to touch and beautiful to behold. They have also attracted deserved attention with their kitchen elements at furniture exhibitions and art galleries.

The kitchen elements are made of fibreglass-reinforced concrete and are fitted with castors so that the elements can be freely combined and easily moved. An embedded polyurethane core ensures that they are not too heavy to move. The elements can be connected by table-tops fashioned from elm.

Anne Kamp and Mette Volf are certain that beauty, simplicity, quality and flexibility will be important keywords in future furniture design. These concepts are admirably reflected in their concrete kitchen.





AALBORG WHITE®

## I can do that!

### The story of a self-made balcony balustrade made from AALBORG WHITE®

Written by Tommy Bæk Hansen, AALBORG WHITE® Technical Team

I can do that! – This was the thought that sprung into the mind of Bent Ole Borup, information employee at Aalborg Portland, Denmark, upon watching the production of balusters during a vacation to Crete in the Mediterranean. The reason for his interest was the constant wrecking of the wooden wall surrounding his balcony by the prevailing strong westerly winds back at his home in Denmark.

Following the vacation, Bent Ole Borup visited a local producer of balusters and persuaded them to give him an old, broken baluster mould and then went to work repairing it and setting up a "baluster production facility" in his cellar:

The repaired mould was mounted on a set of old springs, and a drilling machine was attached to the set-up to provide vibration. The concrete was mixed by hand in a wheelbarrow and then vibrated into the mould in small portions. Cheap cooking oil was used as form oil. To avoid drying cracks, the concrete balusters were covered with cling wrap.

This crude "facility" worked well, and through a long winter and many working hours, the 56

balusters needed for the balustrade were made, as were the beams for the railing and corner posts. In the spring, a foundation was cast in situ on the balcony, and using tile adhesive to bond the elements together, the balustrade was assembled.

Constructing the balustrade has been a positive experience for Bent Ole Borup, even though the workload was larger than anticipated, and he is very pleased with the result. This shows that most people can make decorative white concrete structures for themselves, provided they are willing to spend the necessary time and a little ingenuity!



## From grey cement to professional solutions in white concrete

Written by Svend Barnholdt, AALBORG WHITE® Technical Team

White concrete is an ideal material for infrastructure. Coincident with high strength and durability, reflection from the surface is also high, resulting in greater road safety.

The tunnel shown in the photograph is in Norway where a number of tunnels have now been constructed using white concrete elements. Greater reflection in the tunnel improves road safety. It also makes driving through the tunnel a more pleasant experience as the white sides and dark ceiling make the journey less claustrophobic.

New Jersey Barriers are a much used barrier type for traffic regulation. They are often made of grey concrete. New Jersey Barriers based on



New Jersey Barriers are often made of grey concrete.

AALBORG WHITE® cement give an ideal combination of high strength and high reflection. The high reflection comes into prominence especially during darkness or in rain, as can be seen in the photograph taken in the USA.



Greater reflection in the tunnel improves road safety.



AALBORG WHITE®

## AALBORG WHITE® sales office in Egypt

AALBORG WHITE® Middle East Branch Office is Aalborg Portland White's new sales office in Egypt. The office will handle exports from Egypt to the surrounding markets and will act as an auxiliary arm to the Aalborg-based sales department. Production of white cement from Sinai White Cement Co. began on 18th August 2001.

## New AALBORG WHITE® sales company in Taiwan

Aalborg Portland White has signed an agreement with the Siam Cement Group to establish a 50/50-owned sales company, which will sell and market white cement in Taiwan. The name of the new joint venture company is Aalborg Siam White Cement Pte Ltd.

## New silo tanker in Malaysia

The tanker, with the AALBORG WHITE® logo and a capacity of 20 tons, was taken into use in Malaysia at the end of June 2001. The tanker runs between the Malaysian factory Aalborg RCI White Sdn. Bhd. in Ipoh and customers in Kuala Lumpur, Malaysia and Singapore.



## New appointment – Eastern European market

As from 1 August 2001, Mr Audrius Svencionis, 32 years of age, has been appointed Area Sales Manager with responsibility for the sale of AALBORG WHITE® cement in Eastern Europe, the Baltic States and Russia. Audrius Svencionis was born in Lithuania, but at the age of 20 he moved to Denmark where he completed his education.



## AALBORG WHITE® entering the Philippine market

An agreement has been signed between the white cement manufacturer Premier Cement Corporation, and their owner Blue Circle Philippines, Inc and Aalborg RCI White Cement Sdn. Bhd. for this company to take over all activities of Premier Cement Corporation in the Philippines. Aalborg RCI is looking forward to the challenge of working in the Philippine market.

## News service on the Internet

You can now join Aalborg Portland's news service. Open [www.aalborg-portland.dk](http://www.aalborg-portland.dk) on your Internet browser and click the banner. When your registration has been received, all future press releases, etc. will be sent to you via e-mail.



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