

AALBORG WHITE®



General

AALBORG WHITE® White Portland Cement is manufactured in Malaysia in a modern State-of-the-Art facility to the highest European Standards. The **AALBORG WHITE®** Portland Cement produced is characterized by its superior whiteness, uniform composition and performance. It is suitable in any application that requires premium whiteness and strength.

Use

AALBORG WHITE® cement gives you the opportunity to choose among all the colours of the spectrum when producing your concrete or dry mix.

- White concrete is obtained by mixing **AALBORG WHITE®** cement with pure light sand and white aggregates like white granite or white marble.
- Colour concrete is obtained by mixing with pigments.

AALBORG WHITE® cement is often used in white or coloured dry mix for facings. **AALBORG WHITE®** is also perfect in concrete for panels, balconies, cornices, ornaments, paving stones and in light pointing mortar.

The light-reflecting properties of **AALBORG WHITE®** provide traffic with additional safety when you produce kerbs, road-markings, medium barriers, tunnel linings and tunnel ramps.

Product

AALBORG WHITE® is white Portland cement characterized by its high whiteness exceeding 90 based on Hunter L scale and possesses high standard (28 days) strength.

Management Systems

AALBORG WHITE® cement operates under an Independently certified Integrated management system which complies with the requirements of ISO 9001 for Quality and to ISO 140001 for Environment.

Test Standards

AALBORG WHITE® cement is tested to ensure that it conforms to the requirements of the following Standards - AS 3972 type GP and HE, MS 888-2011 and EN 197-1 CEM I 52.5N.

Aalborg Portland Australia Pty Ltd

ABN 106514201

Level 1, 64 Victor Crescent,
Narre Warren VIC 305

Phone Toll Free 1800 793 689
Fax Toll Free 1800 643 470
Office (+61) 07 3880 4128
E-mail sales@aalborgportland.com.au
Website www.aalborgportland.com.au

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Product Data

AALBORG WHITE®	
Type	CEM I 52.5N
Strength class	52.5N
Fe ₂ O ₃	0.2%
SO ₃	3.3%
Chloride	0.01%
Loss on Ignition	3.5%
Insoluble residue	0.2%
Equivalent alkalis (Na ₂ O)	0.5%
Fineness (Blaine)	398m ² /kg
Le Chatelier expansion	2mm
2 day strength	32.0MPa
28 day strength	64.0MPa
Initial setting time (Vicat)	155min
Whiteness (Hunter)	91.5
Light Reflectance Value	84.7 for cement 65.8 for concrete
Absolute density	3070kg/m ³
Bulk density	1050kg/m ³

AALBORG WHITE®
 is available in:
 20kg paper bags
 1200kg bulk bags
 Bulk delivery

Mix Designs – From Cement to Concrete

Water

Use clean water

Aggregates

The aggregates have a major effect on the appearance of the finished concrete surface. The aggregates should be therefore be selected, stored and used in an appropriate way so as to meet the aesthetic demands to the finished concrete surface. The mix of the aggregates should be kept as constant as possible in order to avoid differences in shade of the finished concrete surface.

Admixtures

All admixtures should be colourless to avoid discoloration of the white or light concrete. Air entraining agents are known to reduce the tendency of efflorescence. Such Admixtures that act upon the setting and hardening should also be used in accordance with usual guidelines. To ensure the requested white colour it is recommended always to make trial mixes.

Constructions and casting

The constructions should be of a design that is suitable for repelling pollution from percolating water and dirt.

Particular care must be exercised in the choice of basic materials, casting materials, mixing and casting processes, curing and finishing.

Mix Designs – From Cement to Mortar

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cement is often used as a binder in various types of mortar and together with lime in a lime-cement mortar. Tools used for mixing the mortar should be stainless in order to preserve the white colour.

Storage

It is recommended that **AALBORG WHITE®** cement older than 6 months is not used unless examined and/or tested prior to use.

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cement in bags should be kept inside on pallets with unbroken plastic wrapping until it is to be used. Care should be taken to avoid moisture getting into contact with the cement bags from beneath the pallet. The pallets should be stored in a dry environment at as low a temperature as possible to reduce the rate of moisture uptake.

Bulk cement should be stored in air-tight silos, using dried air to transport the cement. If the cement contains lumps it should not be used unless tested, as the strength cannot be guaranteed.

Service

Our team is here for you, should you require assistance in respect to the use of our cement.

For further information please visit our homepage at www.aalborgportland.com.au

Health and Safety

Contact with cement mixed with water or body fluids (e.g. sweat or eye fluid) or with concrete or mortar should be avoided as it may cause irritation, dermatitis or burns. If such contact occurs, the affected area should be washed without delay with plenty of clean water. In case of eye contact rinse immediately with clean water and seek medical advice.

Emergency Contacts

Australia Poisons Information Centre 13 11 26

New Zealand Poisons Information Service 0800 POISON (0800 764 766)

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