

## BONDCRETE BLENDED WHITE CEMENT



### Use

**BONDCRETE** White Cement is often used in general building works when aesthetic appeal is a priority. It is an obvious choice in the formulation of wide range of mortars such as masonry mortar, plastering and rendering. The performance of mortar will depend on the properties of sand, mix design and site practice.

- White mortar is obtained by mixing **BONDCRETE** with pure and light sand.
- Colour mortar is obtained by mixing with pigments.

**BONDCRETE** is also ideal for grouting and pointing of mosaic & ceramic tiles and marble.

### Product

**BONDCRETE** is White Portland-Limestone Cement which is characterized by its high whiteness of exceeding 90 based on Hunter L scale and possesses uniform composition and good workability.

### Product Certificate

**BONDCRETE** operates under a quality management system which complies with the requirements of ISO9001:2008, registered with SIRIM, Malaysia.

**BONDCRETE** cement is also under environment management system certified according to ISO 14001:2004.

**BONDCRETE** complies with MS 888-2011 under the standard designation of White Portland-Limestone cement MS888 B-LL 32.5R. It also conforms to EN197-1 CEM/B-LL II 32.5R.

## Aalborg Portland Malaysia Sdn. Bhd. (275155-P)

### Head Office & Works

Lot 75244, Pinji Estate,  
P.O. Box 428,  
30750 Ipoh, Perak,  
Malaysia.

T +605 321 8988  
F +605 322 2522  
E [aalborg@aalborgportland.com.my](mailto:aalborg@aalborgportland.com.my)  
W [www.aalborgportland.com.my](http://www.aalborgportland.com.my)

### KL Sales Office

Unit 1201, Level 12, Uptown 1,  
1, Jalan SS21/58, Damansara Utama,  
47400 Petaling Jaya, Selangor,  
Malaysia.

T +603 7729 2868  
F +603 7729 6898  
E [sales@aalborgportland.com.my](mailto:sales@aalborgportland.com.my)  
W [www.aalborgportland.com.my](http://www.aalborgportland.com.my)



## BONDCRETE<sup>®</sup> BLENDED WHITE CEMENT

### Product Data

BONDCRETE	
Type	CEM II 32.5R
Strength class	32.5R
Fe <sub>2</sub> O <sub>3</sub>	0.2%
SO <sub>3</sub>	2.3%
Chloride	0.01%
Insoluble residue	0.2%
Fineness (Blaine)	430m <sup>2</sup> /kg
Equivalent alkalis (Na <sub>2</sub> O)	0.35%
Le Chatelier expansion	2mm
2 day strength	20.0MPa
28 day strength	42.0MPa
Initial setting time (Vicat)	170mins
Whiteness (Hunter)	92

**BONDCRETE** is available in 25 kg paper bags

### Mix Designs – From Cement to Mortar

#### Water

Use clean water

#### Aggregates

The aggregates have a major effect on the appearance of the finished concrete surface. The aggregates should 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 mortar surface.

#### Admixtures

All admixtures should be colourless to avoid discoloration of the white or light mortar.

Admixtures that act upon the setting and hardening should be used in accordance with usual guidelines. To ensure the requested white colour it is recommended always to make trial mixes.

### Application

**BONDCRETE** is often used as binder in various types of mortar, decorative grout and together with lime in a lime-cement mortar.

### Tools

Tools used for the mixing the mortar should be stainless in order to preserve the white colour.

### Storage

It is recommended that **BONDCRETE** cement older than 4 months is not used unless examined and/or tested prior to use.

**BONDCRETE** 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 to reduce the rate of moisture uptake.

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.my](http://www.aalborgportland.com.my)

### 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.

### Disclaimer Clause

The guidance is given in good faith but nothing in this leaflet shall create or be deemed to create any obligations, whether expressed or implied on Aalborg Portland Malaysia Sdn.Bhd. The Users of the product are advised to carry out their own testing in order to ascertain the performance and suitability of the product for intended applications and purpose before proceeding with full applications of the product.

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