

## Typical Test Results – March 2015

# AALBORG WHITE®

Made in Denmark

### 2<sup>nd</sup> half of 2014

The cement has the CE-mark and is marked as CEM I 52.5 R – SR5 and certified by the accredited certification body Bureau Veritas Certification with certificate no. 0615-CPR-9806.

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#### Physical Properties

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Compressive strength (EN 196-1)		
1 day	MPa	24
2 days	MPa	43
7 days	MPa	61
28 days	MPa	73
Initial Setting time (Vicat)	min	151
Soundness	mm	0.4
Fineness (Blaine)	m <sup>2</sup> /kg	390
Reflection, (DIN 5033)	%	86
Absolute density	kg/m <sup>3</sup>	3130
Bulk density	kg/m <sup>3</sup>	1100

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#### Properties of Clinker

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Bogue composition - ASTM		
C <sub>3</sub> S	%	77
C <sub>2</sub> S	%	15
C <sub>3</sub> A	%	5
C <sub>4</sub> AF	%	1

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#### Chemical properties of Cement

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SiO <sub>2</sub>	%	24
Al <sub>2</sub> O <sub>3</sub>	%	2.1
Fe <sub>2</sub> O <sub>3</sub>	%	0.3
CaO	%	69
SO <sub>3</sub>	%	2.2
MgO	%	0.7
Alkalies as Na <sub>2</sub> O	%	0.2
Cl <sup>-</sup>	%	0.01
Loss on ignition	%	1.1
Insoluble residue	%	0.1
Water soluble Cr <sup>6+</sup>	mg/kg	≤ 2

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