



## PRODUCT DATA SHEET

<b>Product</b>	<b>Portland Cement</b> <b>CEM I 52,5 N</b>
<b>Standard</b>	<b>EN 197-1 : 2000</b>

<b>Producer</b>	<b>AS Çimento Sanayi ve Ticaret Anonim Şirketi</b> İçeriovaalan Mevkii, 15310 Bucak, Burdur, Turkey Tel : +90 248 331 30 00 Fax : +90 248 331 22 22 <a href="mailto:info@ascimento.com.tr">info@ascimento.com.tr</a>
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<b>Product Description</b>	Portland cement is a hydraulic binder that reacts with water, produced clinker and natural gypsum as retarder.
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<b>Using Area</b>	Generally used in works requiring high strength values , dam and tunnel works, precast building, concrete works in low temperatures, and building chemicals manufacturing.
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<b>Vessel</b>	:
<b>Port of discharge</b>	:
<b>Company</b>	:
<b>Shipper</b>	:
<b>Tonnage</b>	:
<b>Date of loading</b>	:
<b>Date of B/L</b>	:

<b>Chemical Properties (*)</b>	<b>As Cement Declaration</b>	<b>Standard</b>	<b>Unit</b>
SiO <sub>2</sub>	20,05		%
Fe <sub>2</sub> O <sub>3</sub>	3,71		%
Al <sub>2</sub> O <sub>3</sub>	4,95		%
CaO	62,74		%
MgO	1,06	Max 5,0	%
SO <sub>3</sub>	2,68	Max 4,0	%
Loss On Ignition	2,33	Max 5,0	%
Insoluble Residue	0,56		%
Free Lime	0,95		%
Alkali Equivalent (Na <sub>2</sub> O type)	0,67		%
Total Additive	3,83		%

<b>Physical Properties (*)</b>	<b>As Cement Declaration</b>	<b>Standard</b>	<b>Unit</b>
Setting Time (Initial)	170	Min 60	minute
Setting Time (Final)	280	-	minute
Spesific Gravity	3,144	-	g/cm <sup>3</sup>
Expansion	1,0	Max 10	mm
Strenght for 2 days	27,0	Min 20	N/mm <sup>2</sup>
Strenght for 28 days	51,5	52,5 - 72,5	N/mm <sup>2</sup>

<b>Delivery Type</b>	Solid in 50 Kg 4 ply craft bag, in 1,5 tonnes Big-Bag or in bulk
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<b>Quality Control System</b>	Our product is certified by Tzus (Czech Republic) in market to use CE marking
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<b>For More Information</b>	<a href="mailto:quality@ascimento.com.tr">quality@ascimento.com.tr</a> <a href="mailto:sales@ascimento.com.tr">sales@ascimento.com.tr</a>	For Technical For Commercial
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(\*) These data represent the average values of 2009 of this product till the 08 March 2009

