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PORTLAND CEMENT - WHITE CEM I 52,5 N - (EN 197-1)

CRH White | Excellence in white

<u>Control Period</u>	July- September 2015		
<u>Fineness</u>			
Specific surface	cm ² /g	4430	
Residue on 0.045 mm sieve	%	3.49	
<u>Soundness (Expansion/ Le Chat)</u>	mm	1.55	≥ 10 mm
<u>Water demand</u>	%	30.05	
<u>Setting time</u>			
Initial	Min.	105	≥ 45 Min.
Final	Min.	135	
<u>Compressive strenght</u>			
at 2 days	N/mm ²	36.0	≥ 20.0 N/mm ²
at 28 days	N/mm ²	61.0	≥ 52.5 N/mm ²
<u>Chemical specifications</u>			
Insoluble residue	%	0.45	≤ 5.0 %
Loss on ignition	%	3.54	≤ 5.0 %
Cl ⁻	%	< 0.1	≤ 0.1 %
Na ₂ O- equivalent	%	< 0.60	
SO ₃	%	2.99	≤ 4.0 %
Whiteness Ry:	%	85.00	
Specific gravity (ca.):	kg/ dm ³	3.10	
Bulk density (ca.):	kg/ dm ³	1.05	

Rohožník (SK), November 11th, 2015

signature Quality manager

