

Holcim Polska S.A.  
Kujawy Cement Plant  
Technical Support

tel.: (52) 58 65 000, fax: (52) 58 65 011  
tel.: (41) 24 87 533, fax: (41) 24 87 531

## Quality Certificate of cement

Type of cement : **CEM II/A-V 42,5R**

Requirements acc. to: EN 197-1:2011

Values obtained for the period of: **April 2026**

	Unit	Results	Requirements acc. to: EN 197-1:2011
--	------	---------	-------------------------------------

### 1. Properties (by standards)

Compressive strength			
Early strength, after 2 days	MPa	29,4	≥ 20
Standard strength, after 28 days <small>(results from previous month)</small>	MPa	55,9	≥ 42,5 i ≤ 62,5
Initial setting time	min	190	≥ 60
Expansion of cement	mm	0,5	≤ 10
Sulfate content (as SO <sub>3</sub> )	%	2,98	≤ 4,0
Chloride content Cl <sup>-</sup>	%	0,048	≤ 0,10
Insoluble residues <sup>a)</sup>	%	-	-

### 2. Additional information

Laser particle size distribution passing 8 μm/32 μm	%	34/82	-
--	---	-------	---

a)only for cements according to standard PN-B-19707:2013-10

*Anna Kozłowska*

Kierownik Jakości  
*Kozłowska*  
Cementownia Kujawy w Bielawach

.....  
stamp/signature

**Holcim Polska S.A.**

ul. Warszawska 110, 28-366 Małogoszcz  
NIP: 526-10-60-765, REGON: 011843520  
KRS: 0000062569 (Sąd Rejonowy w Kielcach X Wydział Gospodarczy KRS)  
Kapitał akcyjny: 811.329.500 opłacony w pełni, nr rejestracyjny BDO 000001937

www.holcim.pl