

KUJAWY CEMENT PLANT IN BIELAWY

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 I 42,5R**

Requirements acc. to: EN 197-1:2011

Values obtained for the period of: **September 2024**

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

1. Properties (by standards)

Compressive strength			
Early strength, after 2 days	MPa	27,2	≥ 20
Standard strength, after 28 days <small>(results from previous month)</small>	MPa	59,0	≥ 42,5 i ≤ 62,5
Initial setting time	min	195	≥ 60
Expansion of cement	mm	1,0	≤ 10
Sulfate content (as SO ₃)	%	3,37	≤ 4,0
Chloride content Cl ⁻	%	0,062	≤ 0,10
Loss on ignition ^{a)}	%	4,12	≤ 5,0
Insoluble residues ^{a)}	%	1,95	≤ 5,0

2. Additional information

Laser particle size distribution passing 8 μm/32 μm	%	30/77	-
--	---	-------	---

a)only for CEM I and CEM III

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