

Cement Data Sheet

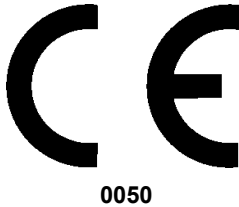
Manufactured in: - Lansdown, Killaskillen, Kinnegad, Co. Westmeath, Ireland.

Date: 23/03/2026

Portland - limestone Cement

I.S EN 197-1:2011 **CEM II/A-L 42,5 N** 12/09/2005
 Certificate of Conformity No: 0050 - CPR - 0023

CE **CEM II/A-L 42,5 N** 12/09/2005



Declared Composition (%)

<u>Constituents</u>	<u>Calcium Sulfate</u>
Portland Cement Clinker (K).....	Gypsum.....
Blastfurnace slag (S).....	Other source of Calcium Sulfate.....
Silica fume (D).....	
Natural pozzolana (P).....	
Natural calcined pozzolana (Q).....	
Siliceous fly ash (V).....	<u>Additives</u>
Calcareous fly ash (W).....	Grinding Aid.....
Burnt Shale (T).....	Ferrous Sulphate.....
Limestone (L).....	

80 - 94 **3.0 - 6.0**
6 - 20 **< 0.1**
< 0.3

Compressive Strengths (MPa)

<u>Time</u>	<u>Test Method</u>	<u>Mean Values</u>	<u>Range of Values</u>
2 Day	IS EN 196 - 1	31.5	28.0 - 34.0
7 Day	IS EN 196 - 1	48.8	45.5 - 51.5
28 Day	IS EN 196 - 1	59.2	55.5 - 61.5

Physical Properties

<u>Property</u>	<u>Test Method</u>	<u>Mean Values</u>	<u>Range of Values</u>
Specific density (Kg/M ³)	IS EN 196 - 6	3085	3000 - 3200
Bulk density (T/M ³)	-	-	1.00 - 1.30
Specific surface (M ² /Kg)	IS EN 196 - 6	418	380 - 450
Initial setting time (min)	IS EN 196 - 3	136	90 - 190
Soundness (mm)	IS EN 196 - 3	0.5	0.0 - 4.0

Chemical Properties

<u>Property</u>	<u>Test Method</u>	<u>Mean</u>	<u>Range</u>	<u>Property</u>	<u>Test Method</u>	<u>Mean</u>	<u>Range</u>
LOI (%)	IS EN 196 - 2	7.1	4.5 - 9.0	SO ₃ (%)	IS EN 196 - 2	2.6	2.0 - 3.5
IR (%)	IS EN 196 - 2	0.3	0.1 - 2.0	K ₂ O (%)	IS EN 196 - 2	0.57	0.40 - 0.80
SiO ₂ (%)	IS EN 196 - 2	16.7	14.5 - 18.0	Na ₂ O (%)	IS EN 196 - 2	0.18	0.15 - 0.35
Al ₂ O ₃ (%)	IS EN 196 - 2	4.3	3.5 - 4.5	Cl (%)	IS EN 196 - 2	0.07	0.01 - 0.09
Fe ₂ O ₃ (%)	IS EN 196 - 2	2.5	2.0 - 3.5	FCaO (%)	ISO 29581 - 2	1.2	1.0 - 3.0
CaO (%)	IS EN 196 - 2	67.8	65.5 - 70.0	Na ₂ O _{eqv} (%)	IS EN 196 - 2	0.55	0.45 - 0.75
MgO (%)	IS EN 196 - 2	1.4	1.0 - 2.0	C ₃ A	IS EN 196 - 2	8.3	6.0 - 10.0
Cr(VI) (ppm)	IS EN 196 - 10	0.3	0.0 - 2.0				