

DRAGON BM-PL

Portland Cement with Pozzolan and Limestone

OCT - 2025

EN197-1
CEMII / B-M(P-L) 42,5R

Description

Our DRAGON BM-PL is a medium-high strength cement, designed principally for the ready mix concrete and dry mix mortar industry.

Natural pozzolanic addition increase long term concrete compressive strength, improve chemical resistance and reduce expansion effects due to alkali reaction.

Its main features are:

- High final strengths.
- Low water demand and good workability.
- Lower risk of cracking.

Recommended for

- Reinforced or mass concrete.
- Concrete with potential reactive aggregates.
- Paving and road construction.

Not suitable for

- Pre-stressed concreted.
- High strength concrete.
- Pre-stressed or post-stressed precast as structural elements.
- Concrete for fast shuttering

Cement Features

	Typical values	Specifications according to standard
Clinker (%)	75,5	≥65 - ≤79
Limestone (%) + Pozzolana(%)	22 (10+12)	≥21 - ≤35
Minor additional component (%)	2,5	≥0 - ≤5
CHEMICAL		
Sulphate, SO₃ (%)	2,9	≤4,0
Chloride, Cl- (%)	0,04	≤0,10
PHYSICAL		
Blaine specific surface (cm²/g)	5500	
Soundness Le Chatelier (mm)	0,5	≤10
Initial setting time (min)	150	≥60 - < 720
MECHANICAL		
2 days compressive strength (MPa)	28	≥20
28 days compressive strength (MPa)	52	≥42,5 - ≤62,5

Worksite precautions

It is important to pay attention to the curing processes, especially in extreme climate, cold or hot and dry and occasionally windy.

Environmental Note

Since 2009, at our factory in Sant Vicenç dels Horts (Barcelona), the implementation of new technologies in the production line, the use of alternative fuels, and improvements in the use of additions and grinding additives in our cements have allowed us to achieve a significant reduction in CO₂ emissions.

In this Portland cement, CO₂ emissions have been reduced by more than 25% per ton, calculated for Scope I and compared to our reference cement CEM I 52,5 R from 2020.

This cement is manufactured with clinker aligned with European taxonomy.

Shipping and Storage

- Available in bulk.
- Bulk cement must be store in watertight silos.

Susterra
Molins Sustainable Solutions

Cement suitable for the production of reinforced, sprayed or mass concrete, for non-prestressed prefabricates, and for road pavement and surfaces. Available in bulk. This cement features a carbon emissions reduction of over 25% compared to our reference cement CEM I 52,5 R from 2020 (*). The cement is manufactured with clinker aligned with European taxonomy.

If you need more information, please request it from us.

AENOR certifies the compliance of this cement with the specifications of the UNE-EN 197-1 standard (common cements), evaluating it according to the established regulations in the Specific Regulation RP 15.01 (N Mark). Therefore, it also has the corresponding CE conformity certificate. This cement contains a chromium (VI) reducing agent. AENOR also certifies compliance with the regulatory limit for the content of Cr (VI) soluble in water according to the UNE-EN 196-10 standard.

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