

# DRAGON AL

# AL

## PORTLAND - LIMESTONE CEMENT

### EN 197-1 - CEM II/A-L 42,5 R

#### DESCRIPTION:

Our **DRAGON AL** is a medium-high strength cement, designed principally for the ready mix concrete and dry mix mortar industry. Its main features are:

- High final mechanical strength.
- Low water requirement and good workability.
- Lower risk of cracking.

#### CEMENT FEATURES:

	Typical Values	specifications according to standard	
Clinker (%)	88	min. 80 - max. 94	
Limestone (%)	10	min. 6 - max. 20	
Minor component (%)	2	min. 0 - max. 5	
Sulfate, SO <sub>3</sub> (%)	3,3	max. 4,0	(1)
Chlorides, Cl <sup>-</sup> (%)	0,01	max. 0,10	
Blaine specific surface (cm <sup>2</sup> /g)	3900	-	
Soundness Le Chatelier (mm)	0,5	max. 10	(2)
Initial setting time (min)	120	min. 60	
Final setting time (min)	180	max. 720	
1 day compressive strength (MPa)	13	-	
2 days compressive strength (MPa)	25	min. 20,0	(3)
7 days compressive strength (MPa)	39	-	
28 days compressive strength (MPa)	52	min. 42,5 - max. 62,5	

(1) Chemical (2) Physical (3) Mechanical

AENOR certifies compliance of this cement with the specifications of the UNE-EN-197-1 standard (common cements), evaluating it in accordance with what is established in the Particular Regulation RP 15.01 (Aenor Quality Certification). Therefore, it also has the corresponding CE compliance certificate. This cement contains a reducing agent. AENOR also certifies the fulfillment of the regulation limit of the soluble Cr (VI) content according to UNE-EN 196-10.





## SHIPPING AND STORAGE:

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

## RECOMMENDED FOR:

- Reinforced or mass concrete.
  - Gunning concrete.
  - Non pre-stressed precast.
  - Paving and road construction.
- 

## NOT SUITABLE FOR:

- Pre-stressed concreted.
  - Pre-stressed or post-stressed precast as structural elements.
- 

## PRECAUTIONS FOR USE IN WORKS:

It is important to take care with the curing processes for the end product, especially in hot, dry and occasionally windy climates.



**SAT**

TECHNICAL ATTENTION SERVICE  
**+34 93 680 60 30**  
sat@cmi.cemolins.es



Please contact us for further information.