

### 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
<b>Clinker (%)</b>	87	min. 80 - max. 94
<b>Limestone (%)</b>	9	min. 6 - max. 20
<b>Minor additional component (%)</b>	4	min. 0 - max. 5
<b>CHEMICAL</b>		
<b>Sulphate, SO<sub>3</sub> (%)</b>	2,9	max. 4,0
<b>Chloride, Cl<sup>-</sup> (%)</b>	0,04	max. 0,10
<b>PHYSICAL</b>		
<b>Blaine specific surface (cm<sup>2</sup>/g)</b>	4400	
<b>Soundness Le Chatelier (mm)</b>	0,5	max. 10
<b>Initial setting time (min)</b>	135	min. 60
<b>MECHANICAL</b>		
<b>2 days compressive strength (MPa)</b>	28	min. 20,0
<b>28 days compressive strength (MPa)</b>	52	min. 42,5 - max. 62,5

### Shipping and Storage

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

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.

### 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.

### 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 CO<sub>2</sub> emissions.

In this Portland cement, CO<sub>2</sub> emissions have been reduced by more than 15% 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.

#### TECHNICAL SUPPORT SERVICE

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#### CUSTOMER SUPPORT SERVICE

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