

Description

Our DRAGON SR is a medium-high strength cement, designed specially for use in sulphate-aggressive conditions, both in ground and in water, and marine environments.

Its main features are:

- Low tricalcium aluminate content.
- High final strengths.
- Low fineness, permitting a reduction in water demand.

Cement Features

	Typical values	Specifications according to standard
Clinker (%)	96	min. 95 – max. 100
Minor additional component (%)	4	min. 0 – max. 5
CHEMICAL		
Lost of ignition (%)	2,8	max. 5,0
Sulphate, SO₃ (%)	2,8	max. 3,5
Chloride, Cl⁻ (%)	0,03	max. 0,10
Insoluble residue(%)	0,5	max. 5,0
Tricalcium aluminate, C₃A (%)	3,1	max. 5 (en el clinker)
PHYSICAL		
Blaine specific surface (cm²/g)	3800	
Soundness Le Chatelier (mm)	0,5	max. 10
Initial setting time (min)	160	min. 60
MECHANICAL		
2 days compressive strength (MPa)	27	min. 20,0
28 days compressive strength (MPa)	52	min. 42,5 – max. 62,5

Shipping and Storage

- Available in bulk and in 25 Kg bags.
- The bags must be stored in dry and ventilated places. They must be protected from ground and atmospheric moisture.
- Bulk cement must be stored 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

- Any concrete liable to attack by sulphates, both by their presence in ground and in water.
- Maritime works in aggressive or very aggressive ambience.
- Reinforced concrete.
- Pre-stressed concrete.
- Precast in general and, especially for structural elements, whether pre-stressed or not.

Not suitable for

- Compacted dry concrete.

Worksite precautions

Given the high clinker content of this cement and its high reactivity, it is very important to maximize the curing of the end product 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 5% per ton, calculated for Scope 1 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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