

PRODUCT DATA SHEET

CEMENT



CEM II / B-LL 32,5 R CE

Made in France
bags : 25 Kg & 35 Kg

NF EN 197



COMPRESSIVE STRENGTH (Mpa)

1 day	-	2 days	17	7 days	-	28 days	37
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PHYSICAL PROPERTIES

Volumic mass (g/cm ³)	2,98	Water demand (%)	26,5	Heat of hydration at 41h (J/g)	245
Specific surface (cm ² /g)	4200	Soundness (mm)	1	Shrinkage at 28 days (µm/m)	410
		Setting Time (min)	190		

CHEMICAL PROPERTIES (%)

LOI ⁽¹⁾	IR ⁽²⁾	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	SO ₃	K ₂ O	Na ₂ O	S ²⁻	Cl ⁻	Free CaO	Na ₂ O eq
12,8	0,3	15,2	3,8	2,8	60,7	1,6	2,9	0,3	0,1	0,01	<0,01	0,90	0,3

COMPOSITION

CONSTITUENTS				SETTING REGULATOR		ADDITIVES	
PORTLAND CLINKER	71%	LIMESTONE	29%	GYPSUM	5,2%	GRINDING AGENT	
						ADM 3	0,05%
C ₃ S + C ₂ S (%)	75,3	CaCo ₃ (%)	95			REDUCTOR of water-soluble Cr VI	
CaO/SiO ₂	3,2	TOC (%)	0,14			Tin sulfate	0,01%
MgO (%)	2,1	Methylene blue test (g/100g)	0,67				
C ₃ A (%)	7,6						
C ₄ AF (%)	11,7						

⁽¹⁾ Loss of ignition 950°C ⁽²⁾ Insoluble residu

The results are based on typical values and are given as an indication only.

RHONE CEMENTS

UNE SOCIETE DU GROUPE CEM' IN' EU
ZONE INDUSTRIELLE LA MOTTE
6, RUE LOUIS ARMAND
26800 PORTES LES VALENCE
TEL: 04.81.16.10.21 / WWW.CEMINEU.COM

DECLARATION OF PERFORMANCE
N°0333-CPR-103901

1. Unique identifier code: Ciment Portland EN 197-1-CEM II / B-LL 32.5 R
2. Type, batch or series or any other element allowing to identify this construction product, according to Article 11, paragraph 3: **See 1**
3. Intended usage by manufacturer: **Production of concrete, mortar, grout, etc**
4. Name, registered trademark and manufacturer address, according to Article 11, paragraph 5:
RHONE CIMENTS SAS, ZI de la Motte - 6, rue Louis Armand, 26800 Portes Les Valence
5. If applicable, trustee name and address for which the mandate covers the tasks referred to Article 12, paragraph 2 - **non applicable**
6. Assessment and verification system(s) for the product's performance consistency, according to Annex V:
System 1+
7. The notified certification body of product AFNOR certification No 0333, according to System 1+, has carried out the determination of the product based on tests (including sampling), initial inspection of manufacturing facilities and control of the in-plant production.

8. Reported performance

Essential Characteristics	Performance	Harmonised technical specification
Standard cements, components and composition	CEM II / B-LL 32.5 R	NF EN 197-1 : 2012
Compression resistance	32.5 R	
Setting time	Meets the requirement	
Stability (expansion)	Meets the requirement	
Content S03	Meets the requirement	
Chloride content	Meets the requirement	

9. The performance identified by elements 1 and 2 are in line with reported performance of element 8. This declaration is established on the sole responsibility of manufacturer mentioned at element 4.

Document signed by manufacturer:

Portes Les Valence, 19/03/2021
F. CHARBONNEL, General Manager





Certificat

Certificate

Certificate of constancy of performance of common cement

In compliance with the Regulation 305/2011/UE of the European Parliament and of the Council of 9 March 2011 (Construction Products Regulation or CPR)

Issued by :

Certification body AFNOR Certification
Identification number 0333
Address 11, rue Francis de Pressensé
F - 93571 LA PLAINE SAINT-DENIS
CEDEX

Issued to : Manufacturer

Name RHÔNE CEMENTS
Address 6 rue Louis ARMAND - ZI La Motte
26800 PORTES-LÈS-VALENCE

Product certified

Standard designation of the cement CEM II/B-LL 32,5 R CE
Additional identification of the cement
Place of production of the cement PORTES-LÈS-VALENCE

AFNOR Certification attests that the provisions concerning the assessment and verification of constancy of performance and the performances described in annex ZA of the standard EN 197-1 : 2011 under system 1+ are applied and that this cement fulfils the provisions described in annex ZA of the standard EN 197-1 : 2011. The conformity is established according to the standard EN 197-2 as given in annex ZA of the standard EN 197-1 : 2011.

Certificate number : **0333 - CPR - 103901**

Conditions and period of validity of the certificate : this certificate was first issued on 18/05/2021. Unless suspension or canceled, this certificate remains valid as long as the conditions laid down in the harmonized technical specifications or the manufacturing conditions in the factory or the factory production control itself are not modified significantly.



Date of issue of the certificate
18/05/2021

Managing Director
Julien NIZRI