

# Technical Data Sheet

## Rocca Bianca 42,5 R

### CEM II/B-LL 42,5 R



#### Description

Rocca Bianca 42,5 R is a white Portland limestone cement type II featuring high normalised strength and high early strength.

#### Chemical composition

In compliance with UNI EN 197-1 standard specifications, Rocca Bianca 42,5 R contains 65-79% of white clinker by cement mass excluding calcium sulphate and mineral additions, while the remaining portion is limestone with a TOC value  $\leq 0,20\%$  by mass (LL), and other minor constituents, if any.

#### Applications

Because of its high strength properties, the product is ideal for the following applications:

- prestige building construction projects;
- architectural concrete with exposed coloured aggregates;
- prestige flooring;
- premixes;
- coloured mortar and concrete;
- cement-based plasters and paints;
- white, bright or coloured stuccoes (skim coats);
- blocks and self-locking paving stones;
- tiles and marble-chip floor tiles;
- street furniture objects.

#### Benefits

Rocca Bianca 42,5 R is a white cement for special uses. In particular, it is an ideal product not only for precast concrete projects in which durability, strength and quality are key assets but also for art, architectural and decorative projects. Rocca Bianca 42,5 R offers an excellent aesthetic value.

#### Standard specifications (UNI EN 197-1)

##### Chemical requirements\*

Sulphates (as SO <sub>3</sub> )	$\leq 4,0\%$
Chlorides	$\leq 0,10\%$

##### Physical requirements\*

Initial setting time	$\geq 60$ min
Expansion	$\leq 10$ mm

##### Mechanical requirements\*

Compressive strength	2 days	$\geq 20,0$ MPa
	28 days	$\geq 42,5$ MPa $\leq 62,5$ MPa

\*Characteristic values

**For professional use only. The user is advised to conduct tests and assessments in order to define the suitability of the product for the intended application.**

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For Informationi

**Technical Assistance**

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