



i.design® ROCCABIANCA

i.design® ITALBIANCO

White cements for construction
chemistry and dry mortar

HEIDELBERGCEMENT



White, pure, enduring colour –
best quality for excellent results.
i.design® ROCCABIANCA and
i.design® ITALBIANCO are suitable for
many applications.

WHITE CEMENT

FUNCTION AND AESTHETICS PERFECTLY COMBINED

Intensive white – absolute brilliance: i. design ROCCABIANCA CEM II/B-LL 42.5 R and i.design ITALBIANCO CEM I 52.5 R are used for cement-based mortars, plasters, joint fillers, coatings and stucco. The special chemical composition and the high quality of the raw materials constitute the basis of the versatile white cements of ITALCEMENTI, a 100% owned subsidiary of HeidelbergCement.

Production facility →
Rezzato Cement Plant



The unique nature and special properties of the raw materials as well as the technology and the know-how which are used in production, make i.design ROCCABIANCA and i.design ITALBIANCO first-class products, with an enduring white colour. The color consistency of these white cements is the most relevant factor.

With i.design ROCCABIANCA and i.design ITALBIANCO, your products will consist of a uniform, radiant white surface. As the basis for coloured products, both cements result in brilliant and expressive colours – as well as pastel tones. The degree of colour intensity can be varied through the use of inorganic colour pigments.

Properties

White Portland cement fulfils the same standard requirements as grey Portland cement and can be processed in the same way. i.design® ROCCABIANCA and i.design® ITALBIANCO are particularly characterised by a high initial strength.

The most important advantages at a glance

- Color consistency
- Brilliant colours as well as pastel tones which are easy to manufacture
- High consistency
- Outstanding colour reproduction through the use of pure, natural raw materials

Areas of application

- Coloured mortars
- Special plasters and cement-based paints
- White stucco and skim coats
- Joint filler
- Filling compounds
- Restorations
- Joint and repair mortars
- Tile adhesives



Delivery form

i.design ROCCABIANCA CEM II/B-LL 42.5 R and i.design ITALBIANCO CEM I 52.5 R are available as silo goods and in 25 kg bags. The bags are stacked on pallets (1,000 kg).



Plasters, paints and → white stucco for many applications.



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In accordance with the European cement standard EN 197-1 i.design® ITALBIANCO consists of 95% to 100% white Portland cement clinker, and i.design® ROCCABIANCA, 65% to 79% Portland cement clinker as well as limestone with a total content of organic carbon (TOC) ≤ 0.20 M-%. In addition, if necessary further auxiliary parts are applied based on the mass portion of cement, without calcium sulphate and without aggregates.

TECHNICAL DATA (ACCORDING TO EN 197-1)

Chemical requirements	i.design ROCCABIANCA CEM II/B-LL 42,5 R	i.design ITALBIANCO CEM I 52,5 R
Loss on ignition	n. s.*	≤ 5 %
Insoluble residue	n. s.*	≤ 5 %
Sulfate content (SO ₃)	≤ 4 %	≤ 4 %
Chloride	$\leq 0,1$ %	$\leq 0,1$ %

Physical requirements	i.design ROCCABIANCA CEM II/B-LL 42,5 R	i.design ITALBIANCO CEM I 52,5 R
Initial setting time	≥ 60 Min.	≥ 45 Min.
Soundness	≤ 10 mm	≤ 10 mm

Mechanical requirements	i.design ROCCABIANCA CEM II/B-LL 42,5 R	i.design ITALBIANCO CEM I 52,5 R
Compressive strength after 2 days	≥ 20 MPa	≥ 30 MPa
Compressive strength after 7 days	n. s.*	n. s.*
Compressive strength after 28 days	$\geq 42,5$ MPa	$\geq 52,5$ MPa

*No standard requirements



The data in this publication is based on our current knowledge and experience. The information in the diagrams and formulas produced are subject to change. Information such as proposals, drawings, photos, data, figures and weight specifications etc. on can be deleted or changed without notice. It is the customer's responsibility to observe existing ownership rights and laws.

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