



**Italcementi**  
HEIDELBERGCEMENT Group



## Technical Data Sheet

**i.design ITALBIANCO 52,5 R**  
CEM I 52,5 R WHITE

### Description

i.design ITALBIANCO 52,5 R is a white Portland cement type I featuring very high normalised strength and high early strength.

### Chemical composition

In compliance with the chemical composition requirements specified in UNI EN 197-1, white clinker content ranges from 95 % to 100%, while the remaining percentage is made up of minor constituents, if any.

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

#### CHEMICAL REQUIREMENTS\*

Loss on ignition	≤ 5,0%
Insoluble residue	≤ 5,0%
Sulphates (as SO <sub>3</sub> )	≤ 4,0%
Chlorides	≤ 0,10%

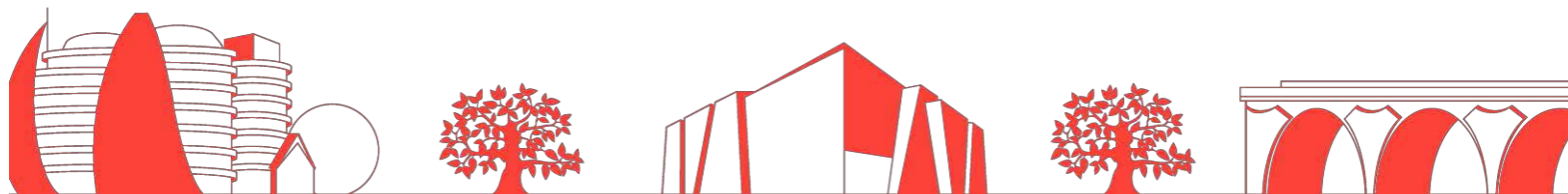
#### PHYSICAL REQUIREMENTS\*

Initial setting time	≥ 45 min
Expansion	≤ 10 mm

#### MECHANICAL REQUIREMENTS\*

Compressive strengths	2 days	≥ 30,0 MPa
	28 days	≥ 52,5 MPa

\* characteristic values



## Applications

Usual Applications of i.design ITALBIANCO 52.5 R include:

- prestressed structures cast-on-site;
- non-prestressed high-rise or morphologically slender structures;
- elements and/or pours that require quick demoulding and/or rapid handling;
- prestige building construction projects;
- architectural concrete with exposed coloured aggregates;
- prestige paving & flooring;
- special premixes;
- coloured concrete and mortar;
- stuccoes;
- repair, treatment and sealing;
- placing of furniture pieces;
- joint sealing and miscellaneous repairs

## Benefits

i.design ITALBIANCO 52,5 R is a white Portland cement featuring superior colour consistency, fastness and brightness. Because of its excellent physical & mechanical properties, it is a most versatile product that can also be used for structural applications.

**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.**

### Italcementi

Via Stezzano, 87  
24126 Bergamo - Italia  
T +39 035 396 111  
[www.italcementi.it](http://www.italcementi.it)

### Assistenza Tecnica

N° VERDE 800 820116  
[sat@italcementi.it](mailto:sat@italcementi.it)

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