



Technical Data Sheet:
White Cement

Code:
2306

Ref.: ST2306
Rev.: 2
Date: 02/12/2010

Product Type:
White Cement

Formats:
5 – 1 kg

Product Characteristics:

It is a type II limestone Portland cement with high initial strength. It contains, in accordance with the composition prescribed by UNI EN 197/1 (referring to the cement core excluding calcium sulfate and additives), 65% to 79% white clinker, while the remaining part is limestone with TOC < 20% (LL) and any minor secondary constituents.

Technical Specifications of the Product:

CHEMICAL REQUIREMENTS	PHYSICAL REQUIREMENTS	MECHANICAL REQUIREMENTS
Loss on fire N.R.	Start of product setting time ≥ 75 min	Compressive strengths
Insoluble residue N.R.	Expansion ≤ 10 mm	2 days ≥ 10 Mpa
Sulfates (as SO ₃) $\leq 3.5\%$		7 days N.R.
Chlorides $\leq 0.10\%$		28 days ≥ 32.5 Mpa

Use / Applications:

It is commonly used for:

- fair-faced castings with reliefs of colored inverts,
- fine pavements,
- colored mortars and concretes,
- sculptures, benches, flower boxes, vases,
- cement-based plasters and paints,
- premixes,
- cement glues,
- elements for street furniture,
- elements for road signs,
- tiles and marbles,
- white, clear or colored cement-based grouts,
- repairs of different types.

And also:

Its excellent mechanical strengths, shrinkage, heat of hydration, as well as its elastic modulus - that is lower than the elastic modulus of gray cement of the same class- make it suitable for use in special constructions (paving, artificial stones, adhesives, etc.) where the use of a normal cement could lead to some inconveniences.

White cement mixtures have considerable adhesion and make it possible to use the product for all types of plasters, where the main function is to form a flexible coating that can adapt to all movements of the substrate due to thermal and hygrometric variations.

How to use:

It must be mixed with water, which has to be added gradually, until a mixture of the desired consistency is obtained.

Additional Information:

As it is constant and stable, adding pigments enables the most versatile range of colors and highly pure color shades.

The above information is provided based on our theoretical and practical knowledge. The company, however, does not assume any liability as the conditions of use and application are not subject to the control of Fidea SpA