What is Mortar

Mortar, in technology, is a material used in building construction to bond brick, stone, tile, or concrete blocks into a structure. Mortar consists of inert siliceous (sandy) material mixed with cement and water in such proportions that the resulting substance will be sufficiently plastic to enable ready application with the mason's trowel and to flow slightly but not collapse under the weight of the masonry units. Slaked lime is often added to promote smoothness, and sometimes colouring agents are also added.

What is Dry Mix Mortar

Dry mix Mortar is the answer to today's challenge to control and guarantee consistent high quality of packaged mortar and wall construction.

Dry Mix Mortar applications with JK White Cement CEM II

Binders:- These are the agents for binding between tiles/bricks with a base of cement to make it more durable and long lasting. Because of white cements colouring property the binders can be done with any desired colour and specifications.

Stucco:- The common term for Portland Cement plaster is a popular exterior finish for buildings. It provides an economical hard surface that is rot, rust and fire resistant which can be coloured and finished in a wide range of textures to adorn any architectural style.

Decorative coloured renders and plasters:- Because of JK White Cement product quality it can be given any shape and any colour as desired and required.

Renders and Plasters:- The White Cement based grout & adhesives are bonding agents between tiles/joints/concrete in any colour and shape. Since these are cement based so they are most durable and economical.

Pointing mortars:- Mortars are used in wide range of applications and when aesthetic appeal is priority, JK White Cement is often included in the formulation. JK White Cement with its high reflective index, in addition to high strength and consistent chemical composition, makes it the preferred cement for many mortar products.

Tile Grout:- Tile grout can be produced from JK White Cement. In cases where thin, light coloured tiles are used, it can be an advantage if the underlying adhesive is also light coloured. JK White Cement is the ideal binder for joint filler.

Why you must use JK White Cement CEM II 42.5 N for these applications

- Highest quality raw materials used in JK White CEM II
- Best suited for desired applications
- Easily and conveniently available
- It is economical and more durable
- Higher fineness gives smoother surfaces

Technical Specifications for CEM II 42.5 N

Chemical Analysis		EN 197-1 CEM-II / 42.5 N Requirement	Typical Test Results
I.R	%		0.24
MgO	%		2.54
SO3	%	Max. 3.5	3.21
Na2O. equiv.	%		0.39
Chloride	%	Max. 0.1	0.014
C3A Tricalcium Aluminate	%		8.25
C4AF Tetracalcium Aluminoferrite	%		0.81
AM Alumina Modulus			12.23
Physical Test Results			
Fineness (Air permeability)	M2 / Kg		470
Soundness (Le-Chatelier)	mm	Max. 10	1.0
Setting time (Vicat)	Min.		
Initial		Min. 60	135
Final			220
Compressive Strengths	N/mm^2		
2 days str.		Min. 10	26.1
28 days str.		42.5 to 62.5	49.0
Whiteness	%		90.5

Technical Support

Further information and advice on this product and the full range of JK White Cement products can be obtained through putting your comments over sales.fuj@jkcement.com

Note

The aforesaid information is based on our present state of knowledge and shall inform about our products and their application possibilities. Value and characteristics provided are typical and approximate size. It should not therefore be construed as guaranteeing specific properties of the product described or their suitability for a particular application. Subject to change without prior notice.

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