

## IMPROVES CONCRETE QUALITY

Key performance indicators in the concrete industry are workability, strength and production costs. High-quality sand is the most significant component affecting these.

Cement is the most expensive component of the concrete compound. The workability of the final concrete mix and the amount of cement used are two of the most important parameters in concrete production. These parameters, in turn, are mainly affected by the quality of sand used in the process. The consistency of the sand can be a challenge when using natural or crushed sand that has not been produced in a well-controlled industrial process. Inconsistent sand quality leads to a higher safety margin, which results in an unnecessary increase in the amount of cement used. Cement is the most expensive component of the concrete compound, representing more than 50% of the cost of raw concrete, but less than 20% of the volume.

Characteristics of fine-sized aggregates in concrete are also crucial. Only a perfectly cubical and rounded shape of all fractions and their consistent quality can form an easily workable concrete mass. This allows the lowest possible amount of cement to be used in the final cement mix.

## BENEFITS



**UP TO 15% SAVINGS**

IN THE USE OF CEMENT IN CONCRETE



**PERFECT SHAPE**

PERFECTLY CUBICAL & ROUNDED FRACTIONS



**REDUCED COST**

LESS TRANSPORTATION FOR AGGREGATES



**SAFETY MARGIN**

OPTIMAL SHAPE, GRADING AND MOISTURE

## APPLICATIONS



PLASTER

CONCRETE

MORTAR

SAND PITS

PAVE JOINTING



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# DURABLE & ENVIRONMENT FRIENDLY DRY MIX MORTAR



USE IN THE PLACEMENT OF BRICKS AND BLOCKS  
SIMPLE TO USE,  
JUST ADD WATER!



## THE ADVANTAGES OF MIXBAG DRY MIX MORTAR

Dry mix mortar is a term for readily mixed raw materials in dry form which may also have additives and polymers added for specific usage in construction.

Dry mix products provide excellent technical properties to meet the stringent performance requirements which are common in the current construction scenario.

The use of dry mix mortar products will be cost effective by reducing the potential construction problems with long-term integrity of structures with a simple materials approach.

The dry mix mortar products are available in pre-bagged form and can enable significant enhancement on building quality based on simple mix and apply operations. As a result, the adaptation of these products will be faster in the years to come.

By using dry mix mortar, the quality and speed of construction increases. The non-availability of river-sand and the increase in labour cost and non-availability of skilled labour have necessitated the requirement of ready made building products.

## CHARACTERISTICS

- Premium Quality
- Indian Made
- Professional Finish
- High Performance Product
- Ready-to-use just add water
- Interior & Exterior Usage
- Hard Wearing & Durable

## SPECIFICATIONS



**Quality Assurance**  
Factory made dry mortar with quality certification as per standards



**Industry Friendly**  
Usage of quality raw materials as per the application standards



**Environment Care**  
Green product for environment sustainability



**Build Awareness**  
Educating the users on good construction practices and quality of the contents



**Standards**  
Pursuing the industry to deliver structures with good standards



**Delivering Promise**  
Testing of products for all technical parameters and creating awareness about the technical attributes to users for choosing the right product



**Speed**  
Due to pre-packed mortar the usage calculates easily. Hence the applications are performed with speedy results.



**Accessibility**  
Hassle free and ease of application and usages. Proper quantification of materials and reduction in wastage

## COMPARISON

### 1. The Difference Between Mortar Form and Storage Time

Wet-mixed concrete is a mixture which is made up of water and aggregates, which can be directly used in construction sites. What needs to be noticed is that it can only be used before freezing and its storage time is very short. Dry-mixed mortar is a mixture of dried aggregates. Due to its characteristics, it can be used after being mixed with water or some other liquids in construction sites. Compared with wet concrete mixtures, dry-mixed mortar can be stored for a much longer time about 3-6 months.

### 2. The Difference Between Manufacturing Equipment

Wet-mixed concrete is currently manufactured by concrete mixing plants while dry-mixed mortar is produced by professional dry-mixed mortar plants.

### 3. The Difference Between Mortar Category

Just as the above analysis, wet-mixed concrete is most often produced by concrete mixers. It is not suitable for concrete mixers to produce high viscosity mortars, and dry-mixed mortar is a dried mixture that won't be influenced by manufacturing method therefore it varies a lot in categories.

### 4. The Difference Between Transporting Method

To avoid segregation, wet-mixed concrete are most often transported by mixing trucks. Dry-mixed mortars in bulk can be transported by tank trucks and bagged mortars can be transported by conventional trucks.