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# Durafix - S.J.M.

## Special Jointing Mortar

## Technical Data Sheet

### DESCRIPTION

Condura Jointing Mortar is a versatile thin jointing material for laying AAC blocks, fly ash blocks, concrete blocks etc. This mortar is specially designed to provide stronger, much more durable bonding blocks and superior adhesive strength. It replaces conventional cement and sand mix Mortar.

Condura Jointing Mortar is made from a unique Combination of cement, graded sand and selective additives. The unique chemical combination enables this mortar to be more compact, thinner and more versatile. At only 3mm thick, it is far thinner than the conventional mortar which is between 12-18mm. It is pre-mixed, hence easy to use, and it also ensures the compaction of the interlocking bricks making the bonds tougher and more durable

### SPECIAL FEATURES AND BENEFITS:

- ❖ Thinner jointing material is of very high jointing strength. It improves overall masonry strength and load bearing capacity.
- ❖ Pre-mixed and ready to use. Only water is to be added at site
- ❖ Eliminates lengthy process of site mixing, transport and storage of all individual materials.
- ❖ No water curing is required after application
- ❖ Easy to mix. Much faster to apply due to its superior flowability and water retention properties.
- ❖ Thinner layer of application for lesser shrinkage and seamless structure
- ❖ Economical - Quantity of mortar is far less than conventional mortar
- ❖ Seepage / Water percolation through joints is negligible due to integrity of mortar joints with masonry units
- ❖ Ready for subsequent application like plastering just after 24 hours of application
- ❖ Raking of joints is not required before plastering
- ❖ Raw materials are processed, reducing the chances of efflorescence
- ❖ Condura Jointing Mortar is made from eco-friendly materials

### SURFACE PREPARATION

- ❖ The surface of the masonry units should be slightly wet prior to application of Jointing mortar
- ❖ The masonry units should be clean, with no loose particles or dust for better bonding
- ❖ The surface must be structurally sound. Efflorescence & any other contaminant which could impair the natural bond should be removed
- ❖ Surface defects such as cracks, holes or voids should be repaired prior to application

### MIXING

- ❖ It is very important that Condura Jointing Mortar is mixed with water thoroughly before use. It is advisable to use a mechanical stirrer for uniform mixing to save time, labour and for maximum workability effectiveness
- ❖ Use a clean vessel / bucket which does not have any hole or cut and add some water in the empty vessel to ensure no powder gets stuck on the bottom of the vessel and put required quantity of Condura Jointing Mortar.
- ❖ Mixing ratio: Depending on the thickness of the product to be applied, add approximately 25-30% of the clean, potable water and 70% of powder and mix. Water is added in stages in order to get a smooth, uniform & working mix
- ❖ Ensure that no powder is left unmixed at the bottom of the vessel
- ❖ The Jointing Mortar is now ready for application

### AREAS OF APPLICATION

- ❖ Laying and jointing of masonry units like fly ash bricks, concrete blocks, hollow blocks, AAC Blocks, etc
- ❖ Jointing of Pre-stressed concrete slabs, panels
- ❖ Jointing of cement concrete floor tiles
- ❖ Jointing of concrete windows and door frames



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### METHOD OF APPLICATION

- ❖ Layout the wall where jointing material is to be used and mark openings like door, windows, or any architectural appurtenances
- ❖ Apply a thin layer of Jointing mortar 3mm to 4mm thick on the clean and levelled surface of masonry units using proper trowel
- ❖ Place the next course of masonry units on the evenly laid jointing mortar bed in proper line and level. Each masonry unit shall be properly bedded and set in position by gently pressing with the handle of the trowel
- ❖ After placing the first unit apply the jointing mortar of same thickness on both the sides of the unit keeping continuous check on the line & level
- ❖ Inside face of the masonry unit, shall be buttered with mortar before the next unit is laid and pressed against it especially in case of bricks
- ❖ Clean the excess material, if any, immediately. Continue the procedure for the entire masonry work.

### PRECAUTIONS DURING USAGE

- ❖ Jointing Mortar should be stored in a dry place for better results. It should be used within 6 months of its production

### COVERAGE

- ❖ Under normal condition, the coverage of Jointing Mortar is Approx. 170-190 sq. ft. with average thickness of 3mm for a bag of 40 kg for blocks size 600 x 200 x 150 mm. The coverage area will however depend on the quality & evenness of the substrate, thickness of joints and size of masonry units
- ❖ For best results proper tools for mixing and application are desirable. It will result in higher coverage and savings in time and manpower

### PRECAUTIONS DURING USAGE

- ❖ Though jointing mortar contains no toxic materials, still, care should be taken to avoid dust inhalation while mixing and handling. In case of contact with eyes or face, wash with plenty of clean water.
- ❖ Keep it in a dry place and out of reach of children
- ❖ Persons who are allergic to cement should take proper precautions before use

### PRECAUTIONS DURING USAGE

- ❖ Condura Jointing Mortar is available in 25kg & 40kg PP laminated bags.

### TECHNICAL SPECIFICATIONS OF JOINING MORTAR

Sr. No.	Properties	Specification
1	Appearance	Free Flowing Powder
2	Color	Grey
3	Water Demand	25-30%
4	Workability	Very Good
5	Hard Dry	24 Hrs
6	Pot Life	Approx. 2 Hrs @ 27 Deg. Centigrade
7	Self Curing	Yes. No additional water curing is required
8	Tensile Adhesion Strength @ 28 Days	0.8 N/sq. mm

**DISCLAIMER** The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

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