

# MASONRY MORTAR MEDIUM | STRONG ADHESION (121)



## PRODUCT DESCRIPTION

**ADX™ Masonry Mortar (121)** is a dual-purpose high-performance polymer modified premixed mortar designed for bricklaying and plastering/rendering. It is specially formulated for medium thickness application with excellent adhesion performance and consistent textured finish. **ADX™ Masonry Mortar (121)** is a superior substitution for job-site cement-sand mortar. It can also be used for patching and surface improvement works on cement rendered surface. Hardened **Masonry Mortar (121)** surface can be further smoothed with **ADX™ Skim Coat – Base and Top Coat**. Suitable for interior and exterior use.

## FEATURE & BENEFITS

- Excellent adhesion
- Excellent workability
- Excellent crack control
- Improved efflorescence protection
- Consistent quality
- Water resistant
- High durability

## TECHNICAL DATA (typical values)

|                    |  |
|--------------------|--|
| Appearance         | Grey powder  |
| Binder             | Cement   |
| Filler             | Graded silica sand and calcium carbonate powder  |
| Auxiliaries        | Additives and specialized polymers   |
| Water Powder Ratio | 0.20 – 0.22  |
| Wet Density        | 1850 – 1950 kg/m <sup>3</sup>  |
| Dry Density        | 1700 – 1800 kg/m <sup>3</sup>  |
| Bond Strength      | ≥ 0.8 N/mm <sup>2</sup>  |
| Coverage (per bag) | <b>Bricklaying</b><br>Thickness: 5mm<br>2.7m <sup>2</sup> wall for<br>220x65x95mm(thick) brick<br><br><b>Plastering/Rendering</b><br>1.7m <sup>2</sup> at 15mm thickness |
| Packaging          | 40kg; 50bags per pallet  |

## SURFACE PREPARATION

1. Surface must be structurally sound, clean and free from dust, oil and any traces of foreign materials that may affect adhesion.
2. Surface defects exceeding 5mm must be properly repaired with suitable **ADX™ Masonry Mortar**.
3. Highly absorptive surface to be moisten with water before application.
4. Stagnant water or water flow directly on to substrate that may affect mortar adhesion to substrate to be removed/redirected prior to the brick laying/rendering application.

## MIXING

1. Mix **ADX™ Masonry Mortar (121)** with approximately 8L of clean water.
2. Mix thoroughly with an electrical mixer for 3-5 minutes to achieve lump-free homogeneous mortar paste.

## APPLICATION

### BRICKLAYING:

1. Apply **ADX™ Masonry Mortar (121)** onto the base with a steel brick trowel.

### PLASTERING/RENDERING:

1. Apply **ADX™ Masonry Mortar (121)** onto the prepared surface with a steel trowel.
2. Ensure the underneath layer is dry before application of subsequent layer.

## PRODUCT LIMITATIONS

Do not use **ADX™ Masonry Mortar (121)** over metal/steel or painted surface.

## STORAGE

**ADX™ Masonry Mortar (121)** should be stored in dry area free from excessive moisture.

## SHELF LIFE

Up to 12 months in original, unopened and undamaged sealed bags; kept off the ground in a cool, dry weatherproof environment.

## HEALTH & SAFETY

**ADX™ Masonry Mortar (121)** is non-hazardous. However, it is recommended that appropriate safety equipment be worn when handling the product, including dust mask, rubber gloves, full eye protection and safety boots where necessary. In case of contact with eyes, wash with plenty of water. If irritation persists, seek immediate medical attention. Safety Data Sheet is available upon request.

## IMPORTANT NOTICE

*The information provided here is based on our experience and is given to the best of our knowledge and it is non-binding. User is responsible in ensuring that the product is suitable for the purpose of the application. ADX is not liable for the use performance of the product or whatsoever arising from the use of the product unless specifically agreed in writing as we have no control on the treatment of the product and surface condition of the substrate. Edition ADX2604. This edition will become invalid when a new version is published.*