

## Product Data Sheet

Edition 01/06/2022

## HAUTEUR BLOCK JOINTING MORTAR

Ready to use mortar for fixing AAC Blocks, Flyash &amp; Extruded clay blocks

**Product Description**

Ready to use grey cement based non-srink, self-curing water resistance mortar for fixing AAC blocks, concrete blocks, Fly ash blocks, POROTHEME blocks etc.

**Uses**

Fixing and jointing masonry units like AAC blocks, concrete blocks, fly ash blocks, PORTHERM Blocks etc

**Characteristics / Advantages**

- Ready to use , only water to added
- Thinner jointing material with very high tensile adhesion strength improving the over all masonry strength
- Better bond than conventional cement based mortar
- Faster to apply due to good spreadable properties
- Excellent high strength & water retention properties
- Economical as quantity of mortar is less than conventional mortar
- Self curing

**Composition**

NO	Chemical Name	Composition
1	Mortar ( Cement & Aggregate)	93-95%
2	Additive 1	5%
3	Polymer	0.7 %
4	Additive 2	0.3 %



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FLAT NO 105, PLOT NO 697 & 682,  
SRI SRI GURUDATTA APARTMENT,  
2ND FLOOR, VASANT  
NAGAR,KUKATPALLY  
HYDERABAD-85



info@vhauteur.com

## Physical & Chemical Properties

Appearance	: Grey Powder
Odour	: Odorless
PH	: 11-12.6
Solubility	: Not Applicable
Boiling point	: Not Applicable
Melting point	: Not Applicable
Vapour Pressure	: Not Applicable
Volatility	: No Information Available
Evaporation rate	: Not Applicable
Vapour density	: Not Applicable
Specific Gravity	: Not Applicable
Flash Point	: No Information Available
Flameble Limit	: No Informatiion Available
Viscosity	: No Information Available

## Form

### Appearance / colours

Grey Powder

### Packaging

40 kg bag

### Storage

6 months from date of production if stored properly in original unopened, sealed and undamaged packing in dry and cool conditions

### Storage conditons / shelf-life

6 months from date of production if stored properly in original unopened, sealed and undamaged packing in dry and cool conditions



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## Technical Data

**Chemical Base** Cementitious mortar modified with polymers.

**Bulk Density** ~ 1.81 kg/ CuM(Wet) 1.36 kg/ CuM (Dry)

**Layer Thickness** 3-4 mm

## Mechanical / Physical properties

**Tensile Adhesion Strength** 1440 N (Dry) 1000 N ( Wet)

**Compressive Strength** >15 n/mm<sup>2</sup> at 28 days (According to ASTM C 109/C109M)

**Pot Life** 120 minutes

**Open time** 35 minutes

## System Information

### Application Details

**Coverage** ~ 3 - 4 kg powder required / sqm for 3mm average thickness (140sq.ft / 40 kg bag)

**Substrate Quality** The substrate must be structurally sound , laitance free , clean and free from dirt, oil, grease, other contaminants and loose or friable particles

**Substrate preparation / priming** Pre-wetting of substrate is essential with maximum saturation of water but saturated surfaced dry (S.S.D.) condition



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## Application conditions/ limitations

**Substrate Temperature** +5<sup>0</sup> C min. / +45<sup>0</sup>C max

**Ambient Temperature** +5<sup>0</sup>C min. / +45<sup>0</sup>C max

## Application Instructions

**Mixing** Water : Powder = 18 to 20 % by weight ( 7 to 7.5 ltr of water per 40kg bag

**Mixing Time** 3 minutes minimum

**Mixing Tool** HAUTEUR Block Jointing Mortar should be mechanically mixed buy a forced action mixing or in a clean container using a drill and mixing paddle(>500 rpm). A normal concrete mixer is not suitable  
Mix thoroughly with clean water for a minimum of 3 minutes  
Leave material to stand in container until the majority of bubbles have despersed (minimum 5minutes). Then remix the material for 15 seconds - the product is now ready to use

## Application Method

If the substrate is very porous, if the temperature is high and / or the relative humidity low, it is advisable to dampen the surface. Do not leave any standing water.

Apply a thin uniform layer of HAUTEUR Block Jointing Mortar 3-4 mm thick on a clean & leveled surface of masonry units using proper trowel

Place the next course of masonry units on evenly jointing mortar bed in proper line & level. Each masonry unit shall be properly bedded and set in position by gently pressing with handle of trowel.

Inside unit of the masonry unit shall be applied with mortar before the next unit is laid & pressed against it especially in case of bricks.

Clean the excess material , if any immediately. Continue the procedure for the entire masonry work.

Do not disturb the blocks / bricks setting for first 24 hours.



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## Cleaning of Tools

Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be removed mechanically.

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## Hazard Identification

According to the present state of knowledge, this product is safe for handling and has no adverse effect to humans of environment

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## First Aid Measures

- Eye Contact : Avoid falling into the eyes. Rinse the eye with plenty of water , at the same time keep the unaffected eye well protected.
- Inhalation : Remove the casualty into fresh air. If the problem persists such as cough or throat irritation. Seek medical help.
- Skin Contact : Wash thoroughly the affected area with running water.
- Ingestion : Do not induce vomiting. Keep individual calm and seek medical assistance.
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## Fire Protection Measures

- Fire : Not considered a fire hazard material
- Explosion : Not considered a explosive material
- Fire extinguishing media : use agent appropriate to extinguish surrounding fire such as water spray , powder or foam
- Fire fighting instruction : In the event of fire , wear full protective cloathing with face shield
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## Accidental Release Measures

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General Protective Measures : Use proper personal protective equipment as indicated

Cleanup Procedure : Scoop or sweep up spilled material and place into suitable container for disposal, Flush with water

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## Handling & Storage

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Handling : Wear protective garments, helmets, eye wear during handling, avoid contact with eyes

Storage : Store in warm, ventilated & dry places.

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## Exposure Control & personal Protection

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Airborne Exposure limits : ACGIH TWA 10 mg/m<sup>3</sup> ( Nuisance Dust)

Ventilation System : All system of local or general exhaust is recommended to keep workers exposure as low as possible

Skin Protection : wear appropriate protective clothing, including boots, gloves, coveralls to minimize contact with eyes

Eye Protection : Use chemical safety goggles or face shield wherever splashing is possible. Maintain eye wash and quick facilities in work space

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## Stability & Reactivity

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Stability	: Stable under ordinary conditions of use and storage
Hazardous decomposition products	: Potential imitating &toxic gases may be generated by thermal decomposition
Hazardous Polymerization	: Not Known
Conditions to avoid	: Incompatible materials, dust generation, acid and excess heat

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## Toxicological Information

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Toxicity area	: No information available ::
Carcinogenicity	: No information available
Reproductive effect	: No information available
Effects of over pressure	: No information available
Chronic effects	: No information available
Target organs	: No information available

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## Toxicological Information

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Adverse ecological effects in the use of this product is not known

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## Disposal Information

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What ever material that cannot be saved, recovered or recyclable should be moved away to approved waste facility. Spent material or off specification material in significant quantity and in paste form should not be disposed off in sewage or sanitary land fills unless effectively treated. If there is any doubt as to the methods of disposal it should be referred to the Department of Environment.

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## Transport Information

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The material should be transported in sealed condition in suitable bags and pallets

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## Regulatory Information

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Not available

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## Notes on Application / Limitations

Cementitious substrates must be at least 28 days old

Do not exceed the recommended water dosage. Apply to sound prepared substrates. Do not exceed maximum layer thickness.

Protect freshly applied material from freezing and rain etc.

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## Value Base

All technical data stated in this product data sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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## Legal Notes

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The information, and, in particular, the recommendations relating to the application and end-use of HAUTEUR products are given in good faith based on HAUTEUR's knowledge and experience of the product when properly stored, handled and applied under normal conditions in accordance with HAUTEUR'S recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchant ability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. HAUTEUR reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.

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