

Restomix

Repointing mortar

1- Product description

1.1 USE

- Restomix is a repointing mortar based on well-graded sand, type S hydrated lime, portland cement and colorants (optional).
- For interior and exterior use, this mortar is specially formulated for the restoration of damaged joints on brick or stone buildings.

1.2 ADVANTAGES

- Excellent adhesion
- High water vapor transmission
- Very good waterproofness and water retention
- Low shrinkage
- Self-healing properties
- Excellent workability
- High flexibility

1.3 LIMITATIONS

- This mortar is exclusively developed for repointing. For the installation of elements, use Bétomix Plus mortar.
- It is forbidden to add any additives on field (colorants¹ excepted).
- Do not retemper.
- Color variation may be observed. This can be caused by the time allowed before finishing is done, by temperature and humidity changes, lack of protection, etc.

¹ The quality and quantity of colorant used should respect ASTM C-979 standard

Technical data

Characteristic		Results*
Compressive strength ASTM C-109	7 days	1.5 MPa (217 psi)
	28 days	2.5 MPa (363 psi)
Vapour transmission ASTM E-96		24 perms
Water absorption, ASTM C-1403	24 hours	13.2 %
Pull-off adhesion CSA 23.2-6B	28 days	0,73 MPa (106 psi)
Shrinkage, ASTM C-596	91 days	0,13 %
Freeze/thaw resistance ASTM C-666 Modified		25 cycles
Air content, ASTM C-185		12%
Flexural strength, ASTM C-348	7 days	1.4 MPa (203 psi)
	28 days	1.5 MPa (218 psi)
Specific gravity		1860 kg/m ³ 112 lb/ft ³
Yield of one 22.7 kg (50 lb) bag		0.012 m ³
		0.42 ft ³
Color **		Grey

* Results obtained in laboratory at 23°C

** Custom colored as requested

2- Installation

2.1 SURFACE PREPARATION

- Make sure the temperature (surface, surrounding and material) is between 5°C (40°F) and 35°C (95°F), during the application and for the following 72 hours.
- Using a chisel, carefully remove damaged mortar.

• It is possible to use a grinder when mortar is very hard.

• Take all necessary precautions to avoid damaging surrounding masonry elements.

• Remove mortar to have a minimum thickness of 25 mm (1 in) if joints are 10 mm (3/8 in) thick.

• For wider joints, remove a minimum of 2 to 2 1/2 times the joint thickness.

- In all cases, sound mortar should be reached.

- Remove dust and other residues with a low stream of water or air.

- Humidify joints before application avoiding accumulations.

2.2 MIXING

- Pour 3.0 litres (0.65 gallon) of potable water per 22.7 kg bag in a clean container.

Note: It might be necessary to reduce the amount of water according to ambient temperature and humidity.

- Slowly add dry ingredients while mixing with a drill equipped with a mixer attachment such as a Jiffler.

- Mix for 3 to 5 minutes. Product should have a thick consistency forming a ball when hand pressure is applied.

- Let product rest for 30 to 45 minutes then add approximately 0.5 litre (17 oz) of water to obtain desired consistency.

- Do not use a mortar mixer since it does not mix vigorously enough.

Note: Do not mix less than 1 bag.

2.3 APPLICATION

- Push mortar firmly into the joint with a round-nose trowel (avoid spreading).

- Mortar should be applied in 3 coats of equal thickness.

- Apply a first coat to obtain a uniform thickness. Let mortar dry until finger pressure barely leaves any traces.

- Slightly humidify the surface then fill the joint with successive coats. Let mortar dry (finger dry) between each coats. It is important to compact material to remove air pockets.

- Mortar should be used within 1 ½ hour following mixing if temperature is higher or equal to 25°C (77°F). If temperature is

lower than 25°C (77°F), use within 2 ½ hours. Discard unused mortar.

2.4 FINISHING

- All mortar joints must be finished using a metal or plexiglas tool to provide the required look as well as weather resistance.

- Finishing must be done just before the mortar loses its plasticity, when finger pressure barely leaves any traces. It is impossible to set a specific time, it is necessary to rely on the mason's judgment.

2.5 PROTECTION AND CURING

- Protect with humid jute that is not in contact with mortar.

2.6 CLEANING

- Clean tools with water while mixture is not yet hardened. Once it is hard, only a mechanical cleaning will be efficient.

- Protect and cover surroundings (windows, openings).

- During application, remove mortar spots with jute.

- Consult the element manufacturer or a cleaning specialist before any cleaning step is initiated. It is important to preserve mortar's integrity.

3- Packaging

- This product is available in 22.7 kg (50 lb) bags.

- A pallet contains 63 bags.

4- Storage

- Interior storage: Store in a cool, dry place. Avoid placing bags directly on the floor.

- Exterior storage: Cover bags with a waterproof sheeting. Do not store directly on the floor.

- Shelf life is one year in original, unopened bags.

5- First aid

This product contains lime and portland cement and may cause eye, skin and respiratory system irritation. Wear rubber gloves, safety glasses and approved dust mask. If swallowed, call a Poison Control centre or doctor immediately. Do not induce vomiting. In case of contact with eyes, rinse well with water for 15 minutes. In case of skin contact, rinse well with water. Keep out of reach of children.

Consult the safety data sheet for more information.

6- Technical service

Contact Daubois for more information about application methods or conditions or to obtain the latest version of our technical documents.

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7- Warranty

Daubois guarantees that this product will perform as specified in this technical data sheet and suits the application for which it was intended. Nonetheless, Daubois does not offer any explicit or implicit warranty. Under this warranty, Daubois' responsibility is limited to either replace or refund the cost of the product proved defective.

8- Specification guide

A specification guide has been prepared respecting the format of Construction Specifications Canada (CSC). This guide is a document that can be used as a starting point for the preparation of specifications. This guide contains several notes to the user describing how to prescribe Bétomix Plus with precision, in order to assure quality of work.