

N-3 MORTAR MIX

STEP-BY-STEP INSTRUCTIONS



Product Description

N-3 Mortar Mix is a pre-blended masonry mortar designed as a better alternative to high strength Type N mortars. **N-3 Mortar Mix** is designed to have a strength of 850 psi, providing flexibility to withstand expansion and contraction without cracking or causing masonry units to spall.

Packaging and Yield

- 50lbs of N-3 Mortar Mix in Polyethylene-line bag
- Yield: 0.46ft³ - 800 in³
- 1 Gallon of Concrete & Masonry Sealer
- 1 Trowel

Features

- 850 psi – not too strong
- Entire Bag mixes in 5-gallon pail
- 50 lb. bag reduces waste and injuries vs. 80 lb. bags
- Easier to work with
- Easier to clean

Technical Data

- Compressive Strength: 850 psi (28 days)
- Air Content: 14%
- Flow: 108%
- Water Retention: 93%

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Preparation for Application

1. Surface preparation is critical to achieve long lasting results.
2. Material, substrate and ambient temperatures should be between 40°F and 90°F.
3. Remove existing mortar from joints using grinder. Remove to a minimum depth of ¾" and continue to remove until sound mortar is found.
4. Joints to be tuckpointed must be clean, sound, and free of any residue, including mortar residue.
5. Joints to be tuckpointed should be saturated surface dry (SSD). Saturate the joints with clean, potable water and wait until water has absorbed and no standing water is left behind.
6. Begin tuckpointing.

Mixing Guidelines

1. Use clean, potable water for mixing.
2. Mixing by mechanical means such as a mortar mixer or a drill with paddle mixer is recommended.
3. Pre-hydrate the mortar by using only enough water to wet all the material. Mix for 3-5 minutes. At this point the mortar should be able to hold its shape.
4. Allow the mortar to stand for 60-90 minutes, then add water and mix to the proper consistency for application.
5. Mortar should be re-tempered with water only as needed to maintain a workable consistency.
6. Unused mortar should be discarded after 2.5 hours from initial mixing.

Application

1. Mortar should be packed tightly into joints in ¼" lifts or as directed by engineer or architect.
2. If mortar is applied in lifts, each lift should become thumbprint hard before additional lifts are applied.
3. Continue placement until the joints have been filled completely.
4. Tool joints when mortar is thumbprint hard.

Color

1. N-3 Mortar Mix is light gray and can easily be colored with standard mortar pigments. Follow pigment manufacturer guidelines.

Cleaning

1. Cleaning in accordance with instructions from engineer or architect and follow instructions provided by the cleaner manufacturer.

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