

MIXBUILD NF NS

Multi-purpose, hi-strength, non-sagging, epoxy bedding and repair mortar



TECHNICAL DATA SHEET

Characteristics

- High strength
- Versatile
- Tenacious bond
- Non slump, rapid cure
- Non shrink
- Minimal waste
- Excellent chemical resistance
- High mechanical strength
- High impact resistance
- Strong adhesion

Introduction

Mixbuild NF NS is a non sagging epoxy resin based bedding compound and adhesive. It is designed for use where non-slump characteristics are required. The system consistency makes the product ideal for minor concrete repairs and re-profiling. It is thixotropic but easily workable compound that cures to give high mechanical properties and offers resistance to oil, grease, petroleum, salts, many acids and alkalis and most commonly met corrosive media.

Mixbuild NF NS is a two-pack product containing fine aggregates that will not shrink on curing; the product is rapid curing, and does not shrink on curing.

Appropriation

- Mixbuild NF NS may be used for a variety of bonding, repairing, bedding, gap filling and overhead applications, typically:
- Repairing honeycombed concrete
- Cracked plaster surface, mapping
- Bedding bridge bearing





- Fixing of brick slips
- Gap filling adhesive
- Filling bolt pockets
- Bedding and grouting tiles
- Repairs & grouting to GRC panels
- Overhead repairs

Product Management

Surface preparation:

Make sure surfaces are clean, dry and free from dust, dirt, oil, grease, laitance etc.



Mixing:

Mixbuild NF NS may be easily mixed by trowel although for multiple packs a slow speed drill and mixing paddle can be used. For less than full units take three parts of the base (part A) with two parts of the reactor (part B) and mix thoroughly in a pliable polyethylene beaker or similar.

Part mixing of units is only recommended for non-adhesive applications. The technical properties shown above will only be achieved with the exact mixing ratio, as supplied. To avoid waste, only mix sufficient material for the work in hand.



Application:

Mixbuild NF NS by knife or trowel will aid application. Where deep recesses are to be filled, apply Mixbuild NF NS in layers of 25 mm to 40 mm to required depth.



Coverage:

A 3kg unit will cover an area of 1.6m² at 1mm thickness. Consumption will vary according to the texture and profile of the surface being repaired on adhered.



Cleaning:

Clean tools and equipment immediately after use with a suitable solvent. Once cured Mix build NF NS can only be removed by mechanical methods.

Packing & Storage

Mixbuild NF NS is available in 3 kg kit (two parts). For site installations or mass consumptions, deliveries shall be made in bulk custom-designed containers. Mixbuild NF NS should be stored in cool, dry and shaded warehouses. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per recommendations. In extreme tropical climate, the product must be stored in cooled ambience. Excessive humidity and over exposure to UV will result in the reduction of shelf life.

Health & Safety

Mixbuild NF NS contains no hazardous substances. As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles shall be worn whilst handling. Wearing long sleeve overall, safety shoes and face mask is recommended for maximum safety. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labeling. Treat any contact to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. For more details, please refer to the MSDS released on each PyChem product.





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Technical Data and Properties

Standard Confirms to	ASTM C881: Type 1, Grade 3 Class B&C, BS6319- Part 4, BS5080- Part 1
Color and Appearance	Off White(Part A) & Cement Grey (Part B)
Density @ 30°C	1700 kg/m ³
Compressive Strength	60N/mm ²
Bond Strength	Greater than Concrete
Full Cure	7Days @ 30°C
Pot Life @ 30°C	40min
Flash Point	Not Applicable



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