



DUPOXY NFR

Three component epoxy resin based anchoring / bedding grout/ repair mortar

DUPOXY NFR is a solvent-free grouting system for anchoring and bedding is composed of three main components. This system utilizes epoxy resin as its base and does not require any solvents. It combines high-performance epoxy resins, carefully selected aggregates, and additives to deliver exceptional anchoring strength.

USES

- Anchoring of cranes, towers, and dock sills.
- Anchoring of bolts and bars ranging from 15mm to 60mm in diameter into concrete and brick structures.
- Installation of reinforced concrete starter bars, foundation bolts, and railway tracks.
- Pile cap and pile head encapsulation to ensure water tightness.

ADVANTAGES

- High temperature resistance
- Solvent free
- Excellent impact and abrasion resistance

- Very good flow characteristics
- Early strength development
- Adjustable consistency, excellent workability

APPLICATION

Preparation:

The receiving surface should be structurally sound and clean. The area should be dry and free from standing water.

Mixing:

Separately mix Part A and Part B for one minute using an electric drill with a suitable paddle.

Combine Part B into Part A and mix thoroughly for 3 minutes.

Slowly add Part C (aggregates) and continue mixing for 5 minutes until a uniform, homogeneous color and consistency are achieved.

Placing:

Immediately after mixing, place DUPOXY NFR on the prepared surface.

Ensure the material is placed continuously to prevent entrapment or voids.

Cleaning:

After using DUPOXY NFR clean the tools with xylene or any suitable solvent. It is important to follow these instructions to ensure proper adhesion and performance of DUPOXY

PACKAGING AND STORAGE

DUPOXY NFR

is available in 10 kg and 30 kg units, with bulk custom-designed containers for site installations or large-scale needs. It should be stored in cool, dry, and shaded warehouses, away from direct sunlight and extreme temperatures, to maintain its shelf life of 12 months. In tropical climates, it should be stored in a cooled environment to prevent degradation. Excessive humidity and UV exposure can reduce its shelf life.



TECHNICAL SPECIFICATIONS

Standard confirms to	BS 5080, BS2782, BS 4551
Color and Appearance	Grey Powder
Density @ 30C	2.1g/cc
Compressive Strength @ 7Days	80 N/mm2
Tensile Strength	13.6N/mm2
Flexural Strength	23.9N/mm2
Water Powder Ratio	0.126 to 0.133
Pot Life @ 25C	30 min
Yield	10Kg will give 5l

CTRT By Duproof:

