NURAPOXY TG
TECHNICAL DATA SHEET

Description

Nurapoxy TG is a two-part structural repair mortar and adhesive based on a blend of epoxy resins and high-quality fillers, it is moisture tolerant and offers excellent adhesion to concrete, metal and a wide range of substrates including **Nuraply 3PM**.

Typical Uses

A structural repair and adhesive mortar for a wide range of substrates and applications including

- Concrete components – repair and bonding
- Steel, Iron, Marble, Granite, Ceramic
- Paving slabs, Cobblestones
- Masonry, Bricks, Mortar
- Timber
- Voids and holes
- Corners and edges
- Stairs, panels and columns
- Vertical and overhead applications
- Vertical tiling
- As a paving adhesive

Features and Benefits

- 100% solids
- High compression strength
- Low viscosity – easy application
- Moisture tolerant
- Good chemical resistance – long term protection
- Non-shrink
- High strength adhesive – excellent adhesion to most construction materials
- No-sag in vertical and overhead applications

Typical Properties

Shelf Life	1 year
Mix Ratio	2 resin to 1 hardener
Solids content	100%
Tensile Strength (MPa)	15
Compressive Strength (MPa)	69 (28 days)
Flexural Strength (MPa)	30
Work Time	30 – 50 minutes @20°C
Full cure	7 days

Surface Preparation

Concrete must have a minimum of 7 days cure. Surface must be clean, sound, dry and free from loose coatings/particles or surface contaminants such as grease, oil chemicals, paint, rust or curing membranes unless otherwise stated in the data sheets. We suggest captive shot blasting, diamond grind or scabble to expose clean sound surface. In harsh environments any exposed reinforcing may require a pre-treatment. Steel must be blast cleaned and thoroughly prepared to acceptable standards.

Mixing

For best results, ensure the components are between +5°C and+29°C prior to mixing. Premix both components separately to a homogenous consistency. Place the correct proportion of Component A and Component B into a clean container with flat wall and bottom. It is recommended where possible to always use whole units. If part units are required, then accurately measure by weight.

Mix thoroughly for a minimum of 3 minutes using a low speed drill (400-600 rpm) and a mixing paddle. Keep the paddle below the surface material to avoid entrapment of air. After 3 minutes, carefully scrape the sides and bottom to ensure thorough mixing, then continue to mix for a further 2 minutes until a uniform light grey colour is achieved. Thorough mixing of both components is important to obtain optimum results. Mix only the amount of material that can be used within the pot life.

Application

When applying as a thin layer adhesive use a spatula or notched trowel or spreader. When applying as a repair mortar use a trowel or gloved hand to smooth a finish. Ensure good contact with the surface is achieved. On vertical surfaces maximum layer thickness is 25-20mm to prevent slumping. To avoid potential shrinkage caused by exotherm the maximum layer thickness per application is 40mm.

Limitations

- Do not use below +4°C or above +35°C
- Is not suited for use in moving cracks

Packaging

1.2kg pack
5kg pack
30kg pack

Shelf Life

Keep in tightly sealed containers in a cool place. Do not store near boilers or other sources of heat. Do not store in direct sunlight. Tightly sealed containers will store for approx. 12 months. Use older material first.

Please ensure the relevant Safety Data Sheet is consulted prior to use for guidance on storage, handling and deposal.

The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.