

ATECH PLUS

Waterproofing Solutions

EPOFLOOR SEAL NS

Universal Epoxy Putty Resin

General Description

EPOFLOOR SEAL NS is a high modulus, high strength epoxy gel designed for the surface sealing of cracks prior to injection, for surface spall repairs and bonding new concrete to old. It is moisture insensitive and will cure in a damp environment.

Clean, dry, silica sand may be added to develop a non-sag gel mortar capable of overhead and vertical patching in layers up to two inches thick.

Typical Applications

- Surface sealing prior to injection
- Patching spalls, honeycombing and popouts
- Setting vertical and horizontal anchor bars
- Bonding similar and dissimilar materials to concrete

Characteristics

- Excellent adhesion
- Non shrink
- Simple mix ratio ensures uniform mixing

Application Guidelines

As with any Epoxy Resin system, surface preparation is critical. Sandblasting, waterblasting or other mechanical means should be used to clean concrete surfaces. All loose or unsound material must be removed. If patching, the outer perimeter of the spall should be sawcut or chipped to near vertical. Surfaces should be dry and dust free to ensure a superior bond. This product will cure in the presence of moisture although application onto wet surfaces is not recommended. The material can be applied easily with a trowel or putty knife.

Mixing should always take place at the proper ratio using a drill with a mixing attachment or mix by hand. Mix material for no less than three minutes. Longer mixing times may be required in cooler weather. The material can be applied easily with a trowel or putty knife.

Cleaning Equipment

All equipment and tools are to be cleaned using appropriate Cleaner.

Packaging

EPOFLOOR SEAL NS is supplied as a 2.9kg or 11.6kg pack.

Storage

EPOFLOOR SEAL NS must be stored above 10°C and below 35°C in dry conditions. Shelf life up to 12 months if stored in original unopened packaging.

Health and Safety

Always read the Health and Safety Data Sheets before use. Avoid skin and eye contact. Avoid inhalation of vapours. Wear safety glasses, gloves and overalls.

Technical Data – EPOFLOOR SEAL NS

	Resin (Part A)	Hardener (Part B)	Mixture
Colour	White	Dark Grey	Grey
Density			1.45kg/litre
Mix Ratio			1:1 by volume
Pot Life (85 g)			20 minutes
Gel time (0.1mm) - Initial Curing Time			25 minutes
Final cure			1 day
Viscosity			smooth paste
Hardness (Shore D)			80
Elongation			1-3%
Tensile strength, 4 hours			210 N/mm ²
Compressive strength			
4 hours			20 N/mm ²
24 hours			25 N/mm ²
7 days			50 N/mm ²
Bond strength			
Concrete - concrete, 4 hours (Failure at concrete)			6 N/mm ²
Wet concrete - concrete, 4 hours			3 N/mm ²



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Customer Responsibility

The technical information and application advice given in this publication is based on the best information available at time of print. As the information herein is of a general nature, no assumption can be made as to the products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.

Safety Precautions

Epoxy products may cause allergic reactions through skin contact, goggles, protective gloves and overalls must be worn. Ensure that there is adequate ventilation and avoid breathing the vapour.