

BUILD TECH 31 NONSAG

Non sag, high strength epoxy binder and adhesive

DESCRIPTION

Build Tech 31 Nonsag is a high strength, non-sag epoxy binder for anchoring fixings into concrete and use as a general purpose adhesive.

Used with Fillers to produce economical, slump resistant epoxy mortars and grouts.

ADVANTAGES

- High strength
- Durability
- Easy application
- Excellent adhesion to common construction materials such as concrete, masonry and steel

TYPICAL PROPERTIES

Pot Life @ 20°C	30 minutes
Initial Cure (@ 20° C)	24 hours
Full Cure (@ 20° C)	7 days
Compressive Strength	92 MPa
Bond strength	>3.2 MPa
Colour (mixed product)	Grey
Application temperature range	10° C - 35° C

APPLICATION INSTRUCTIONS

Preparation

All contacted surfaces must be free of oil, grease or other contamination which may inhibit bond. Any loose concrete should be removed and repaired to provide a solid foundation.

Mixing

Build Tech 31 Nonsag is suitable for mixing using a drill and suitable paddle. Add the Hardener to the Base and mix for 3 to 5 minutes. Thoroughly mix the Base (grey) and the Hardener (clear) together. Only mix that quantity of material, (usually one kit at a time), that can be used within the setting time.

Where Fillers are to be used, mix the filler content into the base resin before mixing in the hardener. The grade of Epilox Fillers selected will affect the final application properties. Consult our technical staff for specific advice.

Avoid waste by using all the kit within 15 minutes of mixing.

Application

Apply the neat 31 Nonsag by trowel, spatula or gun depending on the application. Where the 31 Nonsag is used as an adhesive, ensure the components being adhered are firmly held together.

Curing

Build Tech 31 Nonsag is suitable for light loads after 24 hours.
 Allow 7 days for full cure.

CLEAN UP

Clean all equipment with solvent immediately after use.
 Once cured, 31 Nonsag can only be removed from equipment or contact surfaces by mechanical means.

ESTIMATING

Packaging

Build Tech 31 Nonsag is supplied in pre-weighed 1.5 and 4 litre kits comprising Base and Hardener.

Coverage

Coverage will vary depending on the porosity and texture of the contact surface.

As a guide, 1 litre of mixed 31 Nonsag will cover 1 square metre at an average thickness of 1 mm.

PRECAUTIONS

Use all mixed product within the pot life. A large volume of epoxy product may exotherm and set prematurely if not used immediately.

31 Nonsag is not designed to be used at ambient temperatures below 10°C. Where lower temperatures are anticipated and cannot be avoided, contact Build Tech technical services for advice.

Do not attempt to re-work or re-temper any partially set product.

STORAGE

31 Nonsag is an epoxy based product which must be stored in the original unopened containers.

31 Nonsag should be stored in a cool, dry place out of direct sunlight.

31 Nonsag should be used within 12 months of date of manufacture.

HEALTH AND SAFETY

Build Tech 31 Nonsag is non-toxic, but it is alkaline in nature.

Avoid contact with skin and eyes. Protective gloves, goggles and clothing should be worn during mixing and application of the product.

Prolonged contact with skin may cause irritation in sensitive persons.

Any contact with skin should be washed off immediately with soap and clean water.
Do NOT use solvent.

If in eyes, flush with copious amounts of water for at least 15 minutes. Seek medical advice

For more detailed information, please read the MSDS for this product.

TECHNICAL SUPPORT

Build Tech manufactures a comprehensive range of high quality, performance construction products. In addition, Build Tech offers technical support and on-site advice to specifiers, end user and contractors.

Please contact your Build Tech sales representative or Build Tech Head Office for this service.

The information and any recommendations relating to the application and end-use of all Build Tech products are provided in good faith based on Build Tech's knowledge and experience of the products. In applications, the differences in materials, and variances of substrates and actual site conditions can vary such that no warranty in respect of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be taken as inferred either from this information, or from any written recommendations, or from any other advice offered by Build Tech. The proprietary rights of third parties must be observed. All orders are accepted subject to our sale terms and conditions. All users should always refer to the most recent and up to date issue of the Technical Data Sheet for the product concerned, which is available on request. It is recommended that products should always be properly stored, handled and applied under tested and recommended conditions.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.