

TECHNICAL DATA SHEET

P324

LOCKDOWN EPOXY

V1-01/06/2024

DESCRIPTION

P324 Lockdown Epoxy is an advanced epoxy resin system containing a mixture of alumina ceramic beads and graded silicon carbide. It serves as a thixotropic gap filling chemical anchor. Designed to give long lasting protection against high levels of abrasion. Also used to protect nuts and bolts from easy removal.

PROPERTIES

- Compressive Strength: 90mPa @20°C
- Tensile Strength: 35mPa @ 20°C
- MOH Hardness: 9
- Excellent Abrasion Resistance
- Difficult to remove with a grinder or hacksaw.
- Excellent Corrosion Resistance
- Good Adhesion
- Water Smoothable
- Thixotropic gap filling chemical anchor

COLOUR	: Grey
Nº. OF COMPONENTS	: 2
MIXING RATIO (WEIGHT)	: 1.5 : 1
CONSISTENCY	: Thixotropic Grout
VOLUME SOLIDS	: 100%
MIXED DENSITY	: 2.4
PRACTICAL SPREAD RATES	: 1m ² /ℓ
POT LIFE @ 25°C	: 1 hr
TOUCH DRY @ 25°C	: 4 hrs
HARD DRY @ 25°C	: 12 hrs
FULL CURE	: 7 days
APPLICATION TEMPERATURE	: 10 to 40°C
OPERATING TEMPERATURE	: -20°C to +60°C
CLEANING EQUIPMENT	: P701 WSBC
APPLICATION METHOD	: Trowel or Gloved Hand
STORAGE TEMPERATURE	: 10 to 40°C
SHELF LIFE	: 12 months
PACK SIZE	: 1 & 3 kg

RECOMMENDED AREAS FOR USE

- To cover nuts and bolts to prevent theft of items such as outboard motors and other valuable bolted down items and equipment.
- To protect steel chutes and wear plates in the mining industry.

CHEMICAL RESISTANCE

Resistant to most dilute acids & alkalis, petroleum products & salt water.

SURFACE PREPARATION

All surfaces must be clean & mechanically sound and free of oil, dirt & dust. When used as a chemical anchor, ensure that the hole is dust free, by blowing with compressed air before inserting the resin mixture.

MIXING

Thoroughly mix the resin and activator in the proportions given using a spatula or slow speed mechanical mixer. Ensure complete homogenous mixing.

APPLICATION

Apply the resin mixture using a steel trowel or gloved hand. Wipe smooth by spraying water onto the trowel using a hand pressure sprayer. Use all mixed material within 50 minutes @ 25°C.

TOXICITY

Although P324 is relatively non-toxic, it is recommended that the normal precautions in dealing with conventional epoxy resinsystems be adhered to. Refer to the 16-point Material Safety Data Sheet.

The technical data furnished is obtained from controlled laboratory tests under ideal application conditions. No guarantee of any performance characteristic is therefore given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products. In the event of a proven fault our liability will be limited to the replacement of the product only. It is the user's responsibility to confirm the currency of product data sheets.



HOW TO SPECIFY

All equipment to be prepared and sealed with P324 Lockdown Epoxy in accordance with the manufacturer's instructions.

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