

# ENGINEERED PRODUCTS

## GRANOR® EPOXIES – GRANOPOXY

GRANOPOXY is a beige colour liquid type epoxy structural adhesive for bonding rubber to rubber, metals, concrete and masonry, assembly of granite and marble fabrications, and many other civil engineering applications requiring superior bond strengths. GRANOPOXY is also ideal for structural timber joinery and applications in the marine environment. It retains its high strength after repeated high impact forces.

### SURFACE PREPARATION

Surfaces to be bonded must be clean and free from dust and oil. Rubber pads can be cleaned using Acetone or similar solvent.

For optimal bond strength all bond surfaces should be mechanically buffed/abraded and free of any rubber dust or laitance.

### PACKAGING

GRANOPOXY is available in 4 litre kits. The content of each component of the kit is pre measured in correct mixing ratio. GRANOPOXY is also available in liquid form and rapid set versions. Each 4 litre kit weighs 4.4 kg.

### COVERAGE

Each 4 litre kit of GRANOPOXY is suitable to bond a 1.33 square meter area assuming a 3mm thickness adhesive layer.

Mixing Proportions	1 part "A" to 1 part "B" by volume
Working Time	45 minutes @ 25°C
Minimum Cure Time @ 15°C	48 hours
@ 25°C	24 hours
@ 35°C	12 hours
Minimum Application Temperature	10°C

### MECHANICAL PROPERTIES

Specification	Result
Tensile Strength	30MPa
Compressive Strength	70MPa
Shear Strength	15MPa
Co-efficient of Linear Expansion	60 x 10 <sup>-6</sup> mm °C