

ROOFKOTE 803GG

Heat and Sound Insulation
For Metal Roofs

GENERAL DESCRIPTION

AXEL ROOFKOTE 803GG is a specially produced high quality plasticized polymer emulsion compound, which contains highly viscous and elastic fibre which act as heat insulation and anti-drumming for noise from rain.

AXEL ROOFKOTE 803GG also seal the substrate against condensation, and has anti-corrosion protection.

RECOMMENDED USES

AXEL ROOFKOTE 803GG is used mainly in metal roofing sheets, timber soffits or concrete ceiling, applied to the underside for the prevention and protection of heat and sound insulation respectively.

CHARACTERISTICS & ADVANTAGES

- * Easy application by brush or airless spray.
- * Fortified with glass fibres to bridge gaps, and form a continuous flexible membrane.
- * Excellent adhesion to R.C. slabs, and masonry finishes.
- * Resistant to sulphates and most ground salts.
- * Low odour.

COVERAGE

1m² per kg

COLOURS

Cement Grey

PACKING

28 kg per set

(Part A powder: 18 kg/ bag Part B liquid: 10 litre/ bottle

Part C fiber: 0.20kg/bag)

STORAGE

Store in a dry, cool and shaded place



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SURFACE PREPARATIONS

Ensure that all the substrate is free from oil or dirt before applicator. Apply **AXEL BITPRIME 1007** when necessary for better adhesion.

METHOD OF APPLICATION

- * Mix **AXEL ROOFKOTE 803GG** Part A, B and C homogenously with mechanical mixer.
- * **AXEL ROOFKOTE 803GG** is applied straight from the container. It can be brushed, or sprayed with a 150 cfm compressor at 125psi using nozzle size no. 320 - 884.
- * The applied thickness shall be at least 500 um DFT. For further information please refer to annexed copy.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened or cured material can only be mechanically removed.

TECHNICAL SPECIFICATIONS

No. of components	Three (Part A: powder, B: liquid, C: fiber)
Pot life (28°C)	Approximately 25 minutes
Finishing	Rough
Tensile strength	1.3 Mpa
Sound reduction	Approximately 20% @ 1.5 mm thickness
Flash point	Non flammable

SOUND DAMPENING TESTING

A sound dampening testing was conducted by comparing the sound reading on treated and untreated zinc roof panels.

AXEL ROOFKOTE 803GG was coated on a zinc roof panels as treated sample. The thickness of the applied coating will be at an average thickness of 1.5mm thick and allowed to cure for 48 hours.

Testing method: A PVC pipe with the length of 1,000mm and 50mm in diameter is used as a constant to measure the height and velocity of the falling object. An object of 5.636g in weight was dropped from the top of the PVC pipe over the roof sample at random areas. A sound level meter is placed at the underside of the metal roof panel. The readings from the sound lever meter is recorded, and a mean reading is calculated to observe the average reduction in percentage.

Average sound level captured on untreated metal roof panel was 94db meanwhile metal roof panel treated with **Axel Roofkote 803GG** had an average reading of 67db. A sound reduction of 28% in comparison to the non-treated sample metal panel.

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SHELF LIFE

12 months from the date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions.

The above data is provided in good faith and to the best of our knowledge. However, since application and services conditions are beyond our control, we do not accept liability relating to coverage, performance and injury arising from the use of our products based on the data. Further with the constant advancement of technology we reserve the right to modify data without prior notice and we advise that you check with our Axelchem Technical Department at Tel: 603-6276 2118 the validity of these data especially if more than six months have lapsed since issue.