

GENERAL DESCRIPTION

AXEL PU PROOF 116WB is a water based, elastomeric seamless modified polyurethane bituminous waterproofing membrane coating developed for both new and remedial roofing applications.

The key element of **AXEL PU PROOF 116WB** provides a long-term protection from cyclic weathering, ultra violet radiation and waterproofing.

AXEL PU PROOF 116WB also can be reinforced with glass fiber mat to form a high tensile strength membrane when laid over any concrete structure.

RECOMMENDED USES

- * R.C flat roof
- * Bridges
- * Balconies
- * Flower boxes
- * Metal decking
- * Plaza decks
- * Concrete structures
- * Walkways
- * Toilets and wash areas

CHARACTERISTICS & ADVANTAGES

- * Economical
- * Easy handling
- * No cold joints
- * Excellent bonding
- * Flexible & elastomeric

COVERAGE

Approximately 1-2 kg/m² depending on substrate conditions.

* Minimum of two coats are recommended for waterproofing system.

COLOURS

Black

PACKING

20 kg per pail

STORAGE

Store in a dry, cool and shaded place

CLEANING OF TOOLS

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



SURFACE PREPARATIONS

Surfaces should be structurally sound, clean and free from loose particles, oil, grease or any other contaminants. Ensure that all concrete bases are cured for at least 28 days. Repair all cracks, unsound concrete or honeycombs with **AXEL EMBED 301R** prior to application of **AXEL PU PROOF 116WB**.

METHOD OF APPLICATION

- * Primed the surface with **AXELBIT PRIME 1007** if necessary.
- * Stir well **AXEL PU PROOF 116WB** before using and applied straight from the container by brush, roller or squeegee.
- * Apply first coat and allow to dry off completely, then apply second coat in opposite direction. Recoating interval approximately 8-12 hours.
- * A layer of glass fiber could be applied between first coat and second coat of **AXEL PU PROOF 116WB** for reinforcement to form a high tensile strength membrane.
- * Protect the coating from rain or getting damage until fully cured. Allow at least 24 hours to set before open for foot traffic.

Notes:

- * Application temperature min 5 °C – max 35 °C. Low or high temperature will affect material curing rate.
- * NOT apply on over damp/wet, over moisture or rising dampness conditions to minimize blistering issue.

TECHNICAL SPECIFICATIONS

No. of components	One
Specific gravity	1.35 ± 0.1 kg/litre
Solid content	> 60 %
Viscosity	115-120 KU
Water absorption ratio compared coated and uncoated BS EN 13580:2002	2.5 %
Tensile strength ISO 37:2011	1.9 Mpa
Elongation ISO 37:2011	160 %
Application temperature	5-35°C
Drying time (28°C)	Tack free : 2-4 hours depending on temperature and humidity
Recoating interval (28°C)	8-12 hours

SHELF LIFE

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

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