

DERAM 102

Elastomeric Waterproofing Putty

GENERAL DESCRIPTION

AXEL DERAM 102 is a solvent free single component elastomeric liquid applied waterproofing putty membrane designed to cure to a flexible seamless wave membrane. It comes in several colours for architectural finishes and is suitable for light foot traffic. It has excellent adhesion over most substrates like timber, clay tile, concrete and brick wall plasters and concrete.

RECOMMENDED USES

As a seamless waterproofing membrane to concrete, timber, and metal substrates. **AXEL DERAM 102** can be applied to R.C. walls, plastered walls, retaining structures, concrete, slate or metal roof tiles, asbestos cement sheets, retaining walls, etc. It is also used as a decorative restorative coating to hairline cracks in brick wall plasters.

CHARACTERISTICS & ADVANTAGES

- * Crack bridging capabilities
- * Excellent decorative properties
- * Environmental friendly and non-toxic
- * Good resistance to aging and U.V degradation
- * Protects concrete spalling and has anti-carbonation properties
- * Easy to apply
- * Flexible and elastomeric
- * Heat reflective

COVERAGE

- * On roofs and terraces: at least 2kg /m² in two or more coats, depending on the substrate
- * On vertical side walls: at least 1kg/m² applied in two coats

Note:

- * **AXEL DERAM 102** must be applied in minimum of two coats

COLOURS

White, Grey, Dark Grey

PACKING

1 kg, 5 kg and 20 kg per pail

STORAGE

Store in a dry, cool and shaded place. Protect from frost and direct sunlight.

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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SURFACE PREPARATIONS

Ensure that the surface is clean and free from dirt, oil, grime, laitance etc.

Plaster or concrete surfaces : Repair crack lines and honeycomb concrete with **AXEL MORTAR 303 MC** repair mortar.

If necessary, pressure grout serious honeycomb concrete with **AXEL EMBED 301 R**.

Roof tiles : Water blast surface and remove fungus or dirt.

Metal surfaces : Sandblast or water blast with inhibitors or power grind to remove stains.

METHOD OF APPLICATION

* Clean off all dirt, grime, oil etc.

* Priming - Apply **AXELBIT PRIME 1007** priming coat with nap roller or airless spray.

* Apply two neat coats of **AXEL DERAM 102** by brush, roller or spray and shall be done in a criss-cross manner between coats.

* Install fibre reinforce between first coat and second coat of **AXEL DERAM 102** for better performance.

* Install **AXEL FLEXILITE 913** trafficable coat.

Notes:

* Over stirring should be avoided, in order to prevent air entrapment in the material.

* **AXEL DERAM 102** is not recommended in areas with permanent contact with water (water tanks, swimming pool etc)

* 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.

* To avoid blistering of the coating, the first coat application must be of thin coating and allowed to dry for at least 4 hours before the second coat can be applied.

* For crack lines - use spatula & fill gaps with **AXEL EMBED 301 R** repair mortar.

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	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	0.4 %
Tensile strength ISO 37:2011	> 1.5 Mpa
Elongation ISO 37:2011	> 150 %
Dilution	Ready to use. No dilution is required
Application temperature	5-35°C
Drying time (28°C)	Tack free : 2 hours depending on temperature and humidity Hard dry : 8 hours
Recoating interval (28°C)	24 hours

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