



Era Polymers Africa Pty Ltd

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www.era.pol.co.za

61 Brunton Circle, Founders View
South, 1610 Gauteng
South Africa
(PO Box 328, Modderfontein, 1645)

Tel: 011 608 2584

Fax: 086 585-7384

PRODUCT DATA SHEET

FLEXI SEAL LIQUID RUBBER WATERPROOFING SYSTEM



Company VAT Number: 4820255612

Excellence in Polyurethane Chemistry



1) DESCRIPTION:

WATER BASED POLYMER RUBBERISED PRODUCT WITH A STRONG ADHESIVE BOND TO A WIDE RANGE OF SURFACE MATERIALS. RESISTANCE TO UV, CHEMICALLY AGGRESSIVE ENVIRONMENTS AS WELL AS RESISTANCE TO AGING AND CRACKING OF THE CURED FILM.

2) APPLICATIONS:

LIQUID RUBBER IS USED FOR A WIDE RANGE OF APPLICATIONS RANGING FROM WATER-PROOFING TO CORROSION PROTECTION INCLUDING:

- a) CONCRETE FOUNDATION, PIPES AND FORMS
- b) RETAINING WALLS AND CONTAINMENT BASINS
- c) STORAGE AND INTERMEDIATE PROCESS TANKS
- d) ROOF WATERPROOFING AND RESTORATION
- e) CORROSION PROTECTION OF METAL ROOFS AND STRUCTURES
- f) WATERPROOF LINERS, POND, RESERVOIRS, PLANTERS
- g) WASTEWATER AND SEWAGE PIPE PROTECTION
- h) WATERPROOFING CONCRETE SLABS FOR BRIDGE DECKS, PARKING DECKS, ROOF SUBSTRATES

3) TYPICAL PROPERTIES:

- a) SERVICE TEMPERATURE: -5 °C TO 80°C
- b) APPLICATION TEMPERATURE : 10⁰ C TO 35⁰ C
- c) SPECIFIC GRAVITY: 1.00
- d) DRIED FILM THICKNESS: 0.15 MM @ 0.25 MM WET APPLIED
- e) COVERAGE: Brush applied (not recommended) - > 1.5 kg/sq m but varies due to technique. (DRY FILM THICKNESS AT LEAST MINIMUM 1MM)
- f) STORAGE: 1 YEAR MAX
- g) ELONGATION; AFTER 1000 HRS ACHIEVES 137%
- h) LIFESPAN > 5 YEARS DEPENDANT ON UV EXPOSURE
- i) CONTAINS NO ENVIRONMENT DAMAGING VOC'S

4) Physical Properties

Hardness (Shore A) = 45
Tensile strength (MPa) = 1.8
Elongation at break (%) = 425
Angle Tear (kN/m) = 13.6
Trouser Tear (kN/m) = 5.2

4] Availability

- I. Standard colours available in Black and Grey
- II. Colour variations available in Clear, White, Black, Blue, Green, Yellow and Red all made to order
- III. 20 kg plastic triple seal buckets.

5] Application Protocols

All surfaces must clear from dust, moisture and other contaminants.

Concrete surfaces must also be in a sound state before application. Dry and/or new concrete does not require a primer prior to application.

Fabric is not recommended but in the event that it is unavoidable, prime surface with FlexiCoat, lay the fabric on wet Flexiseal L only, saturate the fabric completely with more coats of Flexiseal L, allow to dry and then overcoat with the final coat of Flexiseal L or LR.

It is also recommended to apply a primer to steel surfaces before the Flexiseal is applied.

The Flexiseal can be applied by means of a brush, roller or even by airless spray equipment.

Product will cure over a period of hours depending on the relative humidity of the day. Typical curing times vary between 4 and 6 hours. Application thickness can be varied by the number of coats applied and there is no limit to maximum thickness. However, to ensure a good waterproofing matrix, not less than 1 mm should be applied. A minimum of 3 coats is recommended, applied perpendicular to the previous coat to ensure strength of the membrane.

Sound substrate free of defects and latencies with no cracks are specified to achieve the best results in waterproofing.

The coating should be allowed to cure for 12 hours prior to it getting wet. This ensures a rubber-like finish to the material when it is properly cured.

5.] Cleaning.

All equipment can be cleaned using water and mechanical action.

T's & C's

For PROFESSIONAL USE and should be applied by professional and skilled workforce only.

The information supplied is believed to be reliable. However as we have no control over the application of the product we cannot guarantee results to be obtained. Users assume all risks and liability resulting from the use of the product and must confirm the suitability thereof by their own tests. No guarantee is expressed or implied. Field service provided does not constitute supervisory responsibility. Liability is limited to replacement of faulty material