

TECHNICAL DATASHEET

Eraproof Flexiseal L is a water-based polymer rubberised product with a strong adhesive bond to a wide range of surface materials. It is resistant to UV, chemically aggressive environments as well as resistant to aging and cracking of the cured film.

Application

Eraproof Flexiseal Liquid rubber is used for a wide range of applications ranging from waterproofing 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

Product Specification

		FLEXISEAL L
Service Temperature	(°C)	-5 to 80
Application Temperature	(°C)	10 to 35
Specific Gravity		1.00
Dried Film Thickness		0.15 mm at 0.25 mm wet applied
Coverage		Brush applied (not recommended) -> 1.5 kg/m ² but varies due to technique. (dry film thickness at least minimum 1mm)
Storage		1 year max
Elongation		after 1000 hrs achieves 137%
Lifespan		> 5 years dependant on UV exposure
		Contains no environment damaging VOCs

This information is of general nature and is supplied without recommendation of guarantee. It does not make claim to be free from patent infringement. Properties shown are typical and do not imply specification tolerances. Era Polymers cannot accept liability for loss or damage through use. Whilst these technical details are based on expert knowledge, practical experience and laboratory testing, successful application depends upon the nature and conditions in which the products are supplied. Users must, by comprehensive testing, evaluate this product in their own application.

Physical Properties

Properties presented below are to be used as a guide and not intended for specification purposes.

		FLEXISEAL L	TEST METHOD
Hardness	(Shore A)	45	DIN 53505
Tensile Strength	(MPa)	1.8	DIN 53504
Elongation at break	(%)	425	DIN 53504
Angle Tear Strength, Die C	(kN/m)	13.6	ASTM D624
Trouser Tear Strength	(kN/m)	5.2	AS1683.12

Availability

Standard colours available in Black and Grey.

Colour variations available in clear, white, black, blue, green, yellow and red all made to order.

20 kg plastic triple seal buckets.

Processing Procedure

All surfaces must be 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 **Eraproof Flexiseal L** only, saturate the fabric completely with more coats of **Eraproof Flexiseal L**, allow to dry and then overcoat with the final coat of **Eraproof Flexiseal L**.

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

The **Eraproof 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.

Cleaning

All equipment can be cleaned using water and mechanical action.

This information is of general nature and is supplied without recommendation of guarantee. It does not make claim to be free from patent infringement. Properties shown are typical and do not imply specification tolerances. Era Polymers cannot accept liability for loss or damage through use. Whilst these technical details are based on expert knowledge, practical experience and laboratory testing, successful application depends upon the nature and conditions in which the products are supplied. Users must, by comprehensive testing, evaluate this product in their own application.