



LUXAPOOL SEF

STRUCTURAL EPOXY FILLER

Luxapool SEF is a specially formulated non-sag gap filling epoxy compound, ideal for swimming pool repair. This easy-to-use, two part, equal volume mix sets rapidly to a tough and chemical resistant final cure.

Luxapool SEF adheres strongly to most surfaces including concrete, sound cement render, fibreglass, marblesheen, pebblecrete, stone and cleaned steel surfaces. It is well suited as the final stage for concrete cancer repair, for reinstating failed cement render, stone and marblesheen surfaces. It is also suitable for miscellaneous engineering use, such as structural bonding of concrete and other masonry, including granite and ceramics.

AREAS OF USE:

The adhesion, toughness and chemical resistance of **Luxapool SEF** have been optimised in unique combination for use in the repair of:

- Private and commercial swimming pools and other aquatic facilities
- Concrete floors and stairs
- Concrete tanks and pipes
- Natural stone, brick and ceramic surfaces
- Grouting applications in most concrete structures

BENEFITS:

- 100% solids compound with simple 1:1 volume mix ratio
- Easily blended creamy texture with colour coded components
- Minimal-sag on vertical surfaces
- Good pot-life with quick progression to cure properties
- Dramatically reduces the time required from preparation to initial coating
- Cured properties are much superior to high strength concretes

PACK SIZES:

Luxapool SEF is available in 2 & 4 L kits, all packed in plastic mini pails and a 600mL kit packed in screw top plastic jars

PRODUCT CHARACTERISTICS, UNCURED:

| BASE A | PART B (HARDENER) | |
|-------------------------------|---------------------------------|-------------------|
| Consistency | Thixotropic Paste | Thixotropic Paste |
| Colour | White | Dark Grey |
| Mix Ratio | Equal volumes of each component | |
| Mixing Technique | Mix until colour is uniform | |
| Pot Life, 1L @ 25 oC | Typically 45 minutes | |
| Minimum Cure Time @ 25 oC | 6 hours before recoating | |
| Application temperature Range | 10 - 35°C | |
| Full cure | 72 hours @ 25°C | |
| Flash Point | >100°C, both components | |



PHYSICAL PROPERTIES, CURED:

| | |
|---|-----------------|
| 100 grams, cured 16 hrs @ 40 oC | |
| Flexural Strength | 26 MPa |
| Flexural Modulus | 2450 MPa |
| Compressive Strength | 41 MPa |
| Tensile Strength | 30 - 35 MPa |
| Water Absorption, ASTM D570 10 days @ 25 oC | <0.5% by weight |
| Maximum Operating Temperature | 65°C |

SURFACE PREPARATION:

All surfaces to be filled should be free from oil, grease and other contamination including residual body oils and sunscreen residues. Particularly on steps and around waterline, use **Luxapool Concentrated Wash** in accordance with instructions.

Calcite residues and general laitance on concrete, render, marblesheen and stone surfaces should be removed by mechanical abrading or acid etching. Use 1:1 volumes of Hydrochloric Acid : Water at a spreading rate of about 1L/m². Allow minimum 10 minutes contact time then, neutralize with Bicarbonate of Soda solution, or flush with adequate fresh water. Allow to dry to a good visual standard.

Remove any dust from grinding or sanding.

Metal surfaces should be mechanically abraded or grit blasted. DO NOT POLISH (e.g. as might result from wire brush cleaning), surface should be rough.

MIXING:

Ensure that the temperature of both components and substrate exceeds 15°C. Ideal temperature range is 15 - 20°C. Mix equal quantities of PART A with PART B in a clean plastic or metal container. Mix thoroughly until an even pale grey colour results across the whole quantity. Use product immediately. Unused cured product can be broken out of flexible containers if required for re-use.

CARE: Mix only as much product as can be used within 30 - 40 minutes.

CARE: Use a clean separate spatula for each component (PART A and PART B) and for mixing. Cross contamination can trigger the product in the pot to cure prematurely.

CLEAN-UP:

Clean all equipment with **Luxapool Solvent A** or **Luxapool Solvent LT** immediately after use.

APPLICATION:

By trowel, spreader blade, spatula or similar. Fill proud, i.e. over fill the hole or crack. Then, using coarse paper, sand back flush to surface. Finish should not be smooth. Remove all dust prior to painting.

DRY TIME/RECOAT TIME/FULL CURE:

Normally touch dry within 2 hours. Recommended recoat with **Luxapool Epoxy Finish**, depending on temperature and humidity, is 6 - 24 hours. Full cure is obtained after 72 hours at 25°C and 50% Relative Humidity.

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