# Valley Epoxy Sealer EP-SF 101

**- Description :**

a non-toxic solvent free high build, protective epoxy resin coating , specifically developed to protect concrete. Supplied as a two-component system comprising clear base and a hardener, it requires only on site mixing to produce an easily applied decorative and chemically resistant finish.

can be safely used in areas where contact with foodstuffs is envisaged or for coating potable water storage tanks. It is solvent free and can be used with safety in small rooms or tanks without the need to provide special ventilation.

**Valley Epoxy Sealer EP-SF 101** coatings will not support the growth of bacteria.

**- Primary Uses :**

For the internal protection of concrete tanks containing drinking water, certain chemicals, oils and fuel.

As an impervious, resilient and chemically resistant floor or wall coating in food manufacturing plants , canning and bottling factories. As a gas and vapour barrier.

As a protective and decorative coating in laboratories , abattoirs, etc.

Other usage areas include oil refineries, paper mills, power stations, garages, hospitals, sugar refineries, hangars and most liquid containment areas.

**- APPEARANCE AND FINISH :**

High gloss, heavy bodied, ultra dense transparent surface. Hygienic and easily cleaned .

**- Advantages :**

• Durable • Non-toxic • Waterproof and protective • High chemical resistance • High temperature water resistance • Solvent free • High build coating • Easily applied by brush, roller or airless • spraying equipment

**- TYPICAL PROPERTIES :**

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|---|---|
| Working life at 25°C | 40 minutes |
| Mixed density at 25°C | 1.1g/cm³ |
| Initial cure | 24 hours @ 25°C |
| Final cure | 7 days @ 25°C |
| Coverage | 0.3-0.6kg / m² / coat |
| Total dry film thickness | 200-400 microns |

**- Surface Preparation :**

The substrate should be a smooth or semi-smooth sound surface such as concrete or metal. It is most important to ensure that thorough surface preparation is undertaken prior to application of **Valley Epoxy Sealer EP-SF 101**.

**- Concrete :**

Ensure concrete is free from excessive laitance, grease, oil, curing compound, etc. Ensure all blow holes and surface imperfections are made good prior to application of **Valley Epoxy Sealer EP-SF 101**. Ensure concrete is at least 28 days old. Contamination by oil, grease, fats etc. must be removed before other forms of preparation begin. Remove laitance to expose blow holes, by light grit blasting.

**- Mixing :**

mixing ratio is comp (A) 15 : 9 comp (B)

**- SAFETY PRECAUTIONS :**

As with all chemical products, care should be taken during use and storage to avoid contact with eyes mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use. For further information, refer to material safety data sheet.