

IMPREGNATION

Impregnation is a two component low viscosity, solvent containing epoxy impregnation material. It may be used as a sealer and surface hardener for cementitious materials, to eliminate dusting and give enhanced resistance to oils, water, abrasion and chemical attack, for example in factories, garages, car parks, warehouses, plant rooms etc. or as an impregnating primer for certain other coatings.

- **Industrial Finish.**
- **Gives concrete a permanently 'damp' appearance.**
- **Eliminates surface dusting.**
- **Excellent abrasion resistance.**
- **Improves oil and chemical resistance.**
- **Easier Floor Maintenance.**

DIRECTIONS:

Preparation

The surface to be treated should be thoroughly cleaned so that it is free from mortar droppings, oil, grease, tyre marks, paint or other surface coatings. After cleaning, the surface should be allowed to dry out thoroughly in order to allow max. absorption of the Impregnation. Mechanical preparation is not essential. Any marks or stains left on the floor will become permanent. New floors should be fully cured and then allowed to dry out before treatment – min. 14 days. For tighter programs please contact our technical sales department.

Mixing

Impregnation comprises of two components – the resin and the hardener, which are mixed in equal proportions by volume. When required for application the total contents should be poured into a plastic or metal bucket and thoroughly mixed.

Application

Impregnation should be spread evenly with a short pile roller to avoid the formation of puddles. As much sealer should be applied as the surface will absorb without superfluous material on the surface. The correct application rate will depend very much upon the porosity of the concrete and should be determined on a small test area before large scale application. A second coat should be applied similarly 12-24 hours after application of the first coat. A third coat may be necessary to give the required in-surface seal on porous substrates but on typical good quality dense concrete, two coats will normally be adequate. It is important that the area is well ventilated to allow efficient evaporation of the solvent, particularly at low application temperatures. The surface can be opened to foot traffic on the following day and to normal traffic two days later (15°C).

Note:

Impregnation is flammable and it is essential that during the application the area is well ventilated to prevent the build-up of solvent fumes. No smoking notices should be displayed. Paintwork and plastic fittings should be protected.

Cleaning

Clean tools, equipment etc. using suitable cleaning solvent.

Storage

Impregnation should be stored in closed containers protected from extremes of temperature.

Shelf Life

12 months in unopened manufacturer's containers.

Packaging

10L and 50L packs

HANDLING PRECAUTION

Larsen products are generally harmless provided they are used as instructed and that certain precautions normally taken when handling chemicals are observed eg, do not allow any material to come into contact with foodstuffs. Avoid prolonged contact with skin. Do not swallow. For specific product safety details consult the Material Safety Data Sheet.

IMPORTANT NOTE

The information given in this data sheet is based on both current development work and many years' field experience. Whilst every effort is made to ensure that the information is reliable we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site conditions etc.

Technical Information

FORM: Clear to Pale Straw Liquid
 VISCOSITY: Approx 25cps (20°C)
 FLASH POINT: 25-28°C
 DENSITY: 0.96 approx

NUMBER OF COATS: 2-3

APPLICATION

MAX SUBSTRATE RH: 90%
 MIN TEMP: 5°C
 MAX TEMP: 35°C
 POT LIFE: Maximum 12 hours at 15°C
 INITIAL CURE (tack free): Approx 2-6 hours
 FINAL CHEMICAL CURE: 5 days at 20°C
 INTERCOAT TIME: 12-24 hours

SERVICE TEMP: -30°C to +60°C

TRAFFIC TIME: 24-48hrs depending on temp.

Consumption: As a guide for typical dense concrete, 1L Larseal Impregnation will be sufficient to treat approx. 6-10m²/coat. Porous concrete will require additional material; surfaces with lower porosity can achieve coverage rates of up to 10-12m²/L/coat.

Both the resin and hardener components of Larseal Impregnation contain solvents and are flammable.

For further information consult our Technical Department

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