



Technical Specification

One Component Solvent Based UV light Stable Moisture Curing PU Resin

Adoseal LS is a high performance aliphatic polyurethane resin developed for sealing and protecting porous surfaces. It is a solvent based gloss sealer that has excellent non-yellowing characteristics which means it can be used outdoors. Once dried and cured it creates a highly durable wear layer which is colour free and fully transparent and tack free

It is a high solids but low viscosity resin which makes it easy to apply. We recommend two coats for most application. A slightly thinned down first coat to ensure full absorption into the substrate and then a second coat, as supplied, applied on top.

- Elongation at break 40%

The resulting coating offers very good water

and stain resistance and it also has good resistance to

Advantages

- Tack free in 1.5 hours.
- Foot traffic access in 2 hours.
- Overcoat time is 24 hours.
- Trafficable after 24 hours.
- Elongation at break 40%
- Abrasion Resistance: Weight Loss 21 mg (taber wheel CS17/1000g load/1000 cycles).
- Good chemical resistance

Application

Surface to be treated should be clean, free from dust, wax, oils and greases.

Adoseal LS is best applied using a high quality thick pile roller in one or more films of 5m² per litre. Edges can be applied using a brush.

For highly trafficked area we would recommend 3 coat.

If applying on more porous substrates where better penetration is required then the product can be thinned with Resothin.

Recommended substrate temperature is 10-25°C. temperature of the substrate should exceed dew point by 3°C during application and cure. In order to create a smooth glossy finish the relative humidity should be 40-70%. Humidity below 60% will extend the cure schedule

A second (and third) coat should be applied once the surface is touch dry but within 24 hours. If this maximum overcoat time is exceeded then lightly grind the surface to ensure good adhesion.

Coverage

5m²/litre depending upon surface porosity

Storage

Store out of direct sunlight in a humidity controlled atmosphere at 3-30°C. Once opened moisture (including moist air) will initiate cure and the material should be used within 2 days..

Shelf Life

Shelf life is 12 months in the supplied sealed container subject to storage temperature and humidity.

Health and Safety

Adoseal LS is a solution of an isocyanate pre-polymer in organic solvents which gives off harmful, flammable fumes (see the Adoseal LS MSDS).

Precautions must be taken to ensure good ventilation in storage and in use and also against any sources of ignition. Always wear gloves and safety glasses when handling and using Adoseal LS.