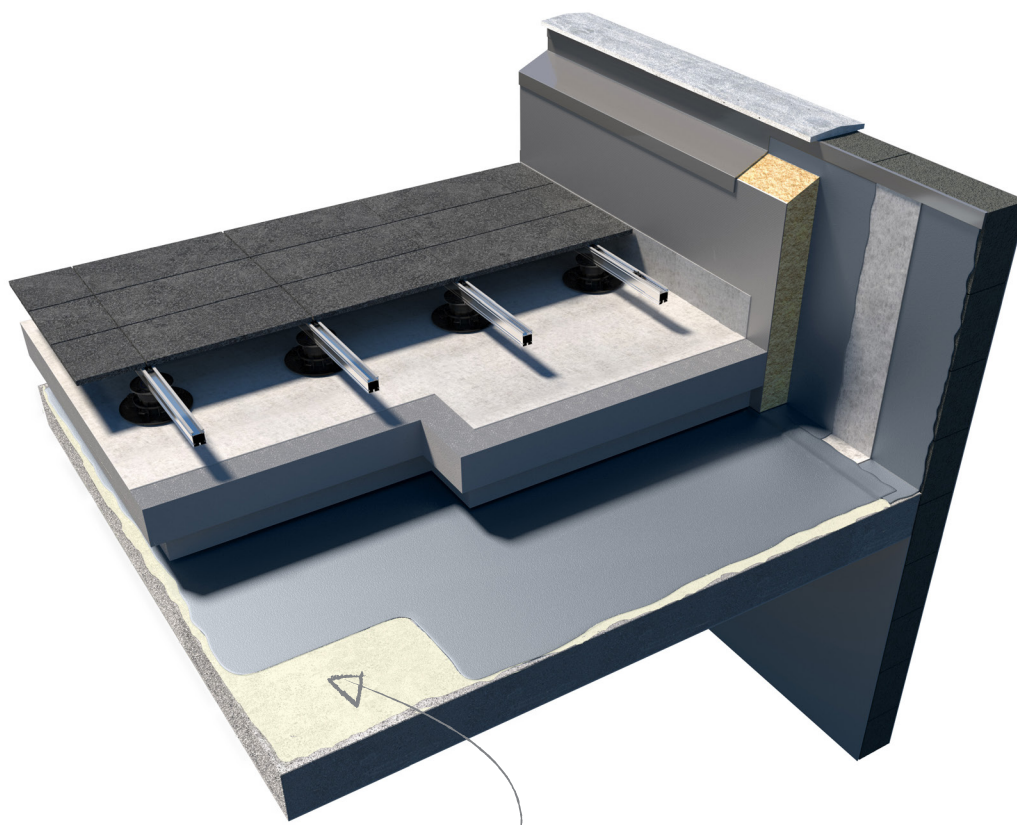


ReadySeal

Traffideck E4 Primer

Product Data Sheet



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General Information

Traffideck E4 Primer is a formulated 100% solids epoxy primer and sealer for concrete, steel and timber surfaces.

Supplied as a kit consisting of Part A Component Traffideck E4 Primer Resin and Part B Component Traffideck E4 Primer Curative.

Surface Preparation

- All surface should be prepared strictly in accordance with the manufacturer's specification and surface preparation document.
- Cementitious substrate moisture content must not exceed 4% by volume and must be protected against rising damp. Surfaces must be dry and failure to comply with the above may result in failures.
- The temperature of the substrate must be at least 3°C above the current dew point temperature.
- All substrate repairs must be fully cured and compatible with any product that may be subsequently applied. The substrate must be of a load bearing quality.

If there are any doubts about suitability a small trial area should be applied and tested for suitability.

Mixing instructions

Traffideck E4 Primer is supplied in pre-weighed packages. It is essential that all of Part B (the hardener) is added to all of Part A (the resin) and mixed thoroughly in a separate 20 litre mixing vessel using an electric drill and mixing paddle at slow speed (300 – 400 rpm) for a minimum of 2 minutes, ensuring a homogeneous streak free mix is achieved. This involves working the paddle around the sides and bottom of the vessel ensuring that no unmixed material remains.

Directions of application

- Once fully mixed the Traffideck E4 Primer should be applied immediately to the substrate using a flat rubber or foam squeegee, twin-armed roller, brush or airless spray. It must then be back-rolled with a medium nap roller sleeve to fill voids and pores in the substrate. To provide a mechanical key the primer must be fully aggregated with 0.3 – 0.6mm kiln dried crystallised quartz sand immediately after the primer has been back-rolled.
- Once the primer has cured to a tack-free state the excess kiln dried crystallised quartz sand must be removed using a stiff bristled broom or mechanical sweeper followed by vacuuming or compressed air blowing prior to over-coating.
- Extremely porous substrates or substrates susceptible to rising damp/moisture may require a two-coat primer application in order to fully seal the surface, this should be determined by site trial.
- If the surface is extremely rough, porous or textured Traffideck E4 Primer should be applied by roller. Consumption will increase and care must be taken to remove "puddles" of primer before broadcasting the aggregate.
- Extra care must be taken to ensure all substrates are kept dry and the temperature of the substrate must remain at least 3°C above the current dew point temperature whilst curing. Failure to protect the primer from moisture during curing will have a detrimental effect in the adhesion between layers and must therefore be removed.
- The workability of reacting material will be influenced by the substrate and ambient temperature.
- Traffideck E4 Primer should be used at an ambient temperature of 7°C - 35°C, if the temperature falls below 7°C Traffideck E4 Primer should not be used.
- Part A and Part B component temperature should be 15°C - 30°C at the time of processing.
- Under no circumstances should applications be carried out in damp weather conditions or if rain is forecast.

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Overcoat time

Typically, 4 hours at 20°C. Over-coating time will vary depending on ambient conditions and other factors such as aggregate loading.

Coverage

Theoretical coverage of 40m² per 10 kg kit.

Delivery Conditions

Delivery form

Supplied in a 10 kg pre-weighed kit comprising:

- Part A Component, 6.67 kg
- Part B Component, 3.33 kg

Storage and transport

Store in dry conditions out of direct sunlight in the original unopened and sealed containers at 5°C - 30°C.

Shelf life

36 months in the original unopened and sealed containers.

| DECLARED PERFORMANCE | |
|----------------------|--|
| Part A Component | |
| Product reference | Traffideck E4 Primer Resin |
| Appearance | Colour to yellow |
| Viscosity at 25°C | 7 – 11 P |
| Epoxy Value | 5100 – 5400 mmol/kg |
| Part B Component | |
| Product reference | Traffideck E4 Primer Curative |
| Appearance | Colourless |
| Viscosity at 25°C | < 1.0 P |
| Epoxy Value | 273 – 291 MgKOH/g |
| Mixed System | |
| Mixing Ratio | 100 – 50 (Part A:Part B) |
| Gel Time at 20°C | 35 – 50 minutes (150g total mixed – cured as stated above) |

Values are typical and should not be construed as specifications

This information given in good faith and is based on the latest knowledge available to Radmat Building products Ltd. Whilst every effort has been made to ensure that the contents of the publication are current while going to press, customers are advised that products, techniques and codes of practice are under constant review and liable to change without notice.

For further information on Radmat products and services please call **01858 410372**, email tech enquiries@radmat.com or visit our website www.radmat.com

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