

DESCRIPTION

RMS UltraSeal is a solvent-free clear epoxy resin sealer with additional UV stabiliser designed to produce a super-smooth, hard-wearing, high-gloss sealer and protect decorative quartz flooring applications.

ADVANTAGES

RMS UltraSeal uses special UV stabilising additives – not found in more general-purpose clear epoxy systems – meaning RMS UltraSeal cures with a near- perfect smooth, glossy surface when applied to suitable substrates which enhances and protects the look of the decorative inclusions under the resin.

TECHNICAL DATA

- Packaging - 5KG/15KG
- Consumption - 0.15 kg / m² per coat
- Film Thickness - 1.0 – 4.0 mm
- Application Temperature - 5 – 30°C (min 3°C above dew point)
- Colour - Transparent gloss finish
- Shelf Life - 24 months in original closed containers
- Storage - Dry conditions 5 – 35°C, avoid direct sunlight.
- Working Time - 35 – 40 minutes per 1.0 kg of mixed product @ 20°C
- Foot Traffic - After approx. 24 hours @ 20°C
- Overcoating Window - 18 – 36 hours @ 20°C

SUBSTRATE PREPARATION

The substrate must be clean and dust free. All traces of oils, fats, greases, paint residues, chemicals, algae, and laitance should be suitably removed by light mechanical preparation abrasive sanding or vacuum assisted diamond grinding, to leave a dry and dust free suitably prepared smooth surface.

APPLICATION

Prior to application, the material should be suitably conditioned to a suitable ambient temperature (15 – 25°C ideal recommended temperature).

The product is delivered in factory filled ready to use two component containers in the exact mixing ratio. The clear resin A component must be stirred by hand firstly using a suitable spatula or mixing stick for at least 1 minute. Then the entire content of the B Component is emptied into the A component container and the two components hand mixed for 3 minutes.

Once you have finished mixing in one container, it is good practice to transfer the mixed resin into a second, clean mixing container and undertake further hand mixing for another 3 minutes using a new mixing stick / spatula. Doing so will eliminate the risk of unmixed resin from the bottom or sides of the original container being accidentally poured out.

Please note, the inclusion of air entrainment in the mixing process is to be avoided! If using a slow speed electric mixer, the mixing speed must be below 40 RPM and the mixing times halved in relation to hand mixing times.

Ensure your work area is as free of airborne dust as possible. Ensure the ambient temperature is between 15 – 25°C ideally. Calculate how much resin you will need for the main pour using the information in the 'How much resin?' section earlier in this application guide. Pour the mixed RMS UltraSeal over the whole surface to be covered.

Use a suitable spreader to distribute the resin as evenly as possible. After around 10 minutes, take a careful look over your resin surface. If any trapped air bubbles persist, you can use a heat-gun or a metal quilled spike roller (Porcupine Spiked Roller) lightly over or into the surface of the resin to lift any remaining air bubbles out of the resin.

Once you are happy with the surface, cover it as soon as possible to prevent any airborne dust or contamination from landing on the surface. Leave the surface to cure fully before trafficking; this is likely to be around 48hrs, depending on the ambient temperature. The resin will achieve an initial cure in approximately 24 hours, temperature dependent.

You must not touch or attempt to use the poured surface during this period and avoid opening doors and windows to reduce the chance of dust and debris falling on the surface. The resin will continue to harden to full strength over a period of 7 days.



FUTHER INFORMATION

Information relating to the safe handling of this product can be found in the Material Safety Data Sheet. Local regulations concerning the safe handling of polyurethane resin based coating materials must be observed. Suitable protective clothing including suitable eye protection must be worn at all times.

All consumptions listed are for recommendation purposes only. Detailed application instructions and system build-up advice can be provided on request through our Technical Services team.

For the long-term maintenance of the properties of polymer flooring materials, a regular cleaning and care programme is recommended.

RMS' systems and products are guaranteed against defective material and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request. For more information, please refer to individual product data sheets or contact our Technical Services team.

RMS accepts no responsibility for liability claims based on the suggested practises and data values listed on product data sheets. Product data sheets are regularly updated and it is the user's responsibility to ensure they obtain the most recent version. The most recent versions can be found at www.rmsuppliers.com

DOCUMENT VERSION

VERSION 2

DATED: 03/05/2024

