

DESCRIPTION

RMS UltraLine is a pigmented, ready to use, solvent free, two component, high-grade epoxy resin linemarker designed for installation over primed concrete substrates or high-build epoxy coating systems.

ADVANTAGES

- Installed using a suitable floor paint roller and paint brush, RMS UltraLine exhibits excellent UV resistance and good protection against fuels and lubricants as well as most solvents, acids and alkalis at certain concentration levels.

TECHNICAL DATA

- Packaging - 2.5KG / 5KG
- Consumption - 0.25-0.30 kg/m²
- Film Thickness - 0.15 – 0.20 mm (150 – 200 microns)
- Application Temperature - 5 – 30°C (min 3°C above dew point)
- Colour - See RMS Colour Chart
- Shelf Life - 12 months in original closed containers.
- Storage - Dry conditions 5 – 35°C, avoid direct sunlight.
- Working Time - 60 minutes @ 20°C
- Foot Traffic - After ~24 hours @ 20°C
- Overcoating Window - 12 – 24 hours @ 20°C

SUBSTRATE PREPARATION

New concrete should be at least 21 – 28 days old or the moisture content less than 5% or 85% RH, otherwise a suitable moisture mitigating primer should be specified and applied before proceeding with the RMS UltraLine application.

The substrate must be clean and dust free. All traces of oils, fats, greases, paint residues, chemicals, algae, and laitance should be removed by enclosed captive shot blasting or vacuum assisted diamond grinding. Finish edges with hand tools to the same standard, to leave a dry and dust free suitable prepared surface.

Depending on the suitable substrate, surface profile, texture, and regularity the mixed product is applied directly onto the cured primer within the overcoat window or onto an epoxy levelling layer / scratch coat (as applicable)

CLEANING & MAINTENANCE

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

APPLICATION

Prior to application, the material should be suitably conditioned to a suitable ambient temperature.

The product is delivered in factory filled ready to use two component containers in the exact mixing ratio. The Pigmented A component must be stirred for at least 2 – 3 minutes. Then the entire content of the B Component is emptied into the A component container and the two components are mixed until homogeneous using a suitable electric stirred (e.g., slow speed drill and paddle) and mixed for 2 – 3 minutes.

The inclusion of air entrainment in the mixing process is to be avoided. The mixture is poured into another clean container and briefly mixed again for 1 – 2 minutes adding any dry silica sand (as required) dependent upon application thickness. We recommend the application by consecutive sequential batch numbers.

The consumption addition and application properties should be suitably tested by the installer depending upon recommended specification guidance on applied thickness and ambient site conditions (air and substrate temperature).

Using tape to define the line edges, RMS UltraLine is poured onto the suitably prepared and primed surface and spread over the entire using a suitable floor roller or brush and is rolled out to its final application thickness with a suitable mohair roller for finishing purposes. The fluid coating can be walked upon with suitable spike shoes during application to facilitate the spread and application process.

When an anti-slip profile is required at the suitable thickness level the appropriately sized silica or quartz sand needs to be broadcast onto the wet first coat application within the optimum curing time window for optimum degree of antislip and uniform surface profile, before applying the second coat to seal the broadcast aggregate onto the cured first coat application ('termed sandwich coat application').

OVERCOATING

It is not necessary to abrade the surface of a non-silica / quartz sand profiled coating application if the following coat is applied onto the non-broadcast (smooth finish) surface within 24 hours. After 24 hours, the subsequent application can only take place after careful grinding or abrading of the surface.



PRIMING

Priming is especially recommended on surfaces which are very porous. Low viscosity primer should be used, as this will provide maximum adhesion.

Primer should be mixed in the proportions supplied, add the entire contents of Curing Agent Component B into the Epoxy Resin Component A, when thoroughly mixed, preferably using a slow speed drill, the primer should be applied in a thin, continuous film using a roller or brush. Work the primer well into the surface of the concrete taking care to avoid puddling or over application.

Please note very porous substrates may require two coats of primer.

DOCUMENT VERSION

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