



UNIVERSAL ROADMARKING-LEAD FREE PRODUCT CODE: RDM00

TECHNICAL DATA SHEET

APRIL 2024 REVISION 1

PRODUCT DESCRIPTION

A classic modified lead-free alkyd-based road-marking paint

PRODUCT FEATURES AND BENEFITS

For exterior on unpainted bricks, cement, concrete, stone, bituminous and tarmac road surfaces i.e. roads, demarcation visibility, airfields, parking areas and driveways.

Contains highly reflective materials.

Serves as a base coat for the application of reflective glass beads

Excellent adhesion

Easy to apply with brush or roller as well as machine application

PRODUCT INFORMATION

Colour	White, Yellow & Red
Surface Appearance	Low Sheen
Resin Base	Synthetic Alkyd Resin
Solids Content	By volume: Approx. 71%
VOC Content	High VOC content 25% to 50%
Spreading Rate	Theoretical Spreading Rate: 3,4m²/litre @ 210 µm DFT Practical Spreading Rate: 2,4m²/litre @ 210 µm DFT Our spreading rate is calculated per coat on a smooth surface. This is a guide only. The rate will vary depending on the porosity and profile of the substrate. Tools used and application technique/ method will also have an impact on spreading rate.
Recommend WFT & DFT	282-310µm WFT depending on the surface, porosity, profile and application method 200-220 µm DFT depending on the surface, porosity, profile and application method
Pack Sizes	Available in 1ℓ, 5ℓ
Storage and Packaging	Store away from direct sun, heat and severe cold Ensure the container is tightly sealed before storing. If not sealed properly and exposed to extreme temperatures, it will lead to defects such as product fouling, skinning, crystallizing and will have hard settlement.



APPLICATION INFORMATION

Always maintain a wet edge and avoid downing tools during the application to prevent lap marks and variances in colour or texture.

Work from corner to corner, or from one natural cut off point to the next. Do not attempt to touch up areas, completely repaint the whole area.

APPLICATION DETAILS

Mixing	Stir thoroughly with a flat paddle until homogeneous
Application Conditions	Surface Temperatures at 23°C Relative Humidity <50%
Recoating Time	4-6 hours to dry before over coating
Application Methods	Brush or roller or machine application
Thinner	Is ready for use, do not thin
Cleaning of equipment	Lacquer thinners

SURFACE PREPARATION

NEW SURFACES

The substrates must be clean, dry and sound and free of contaminants.

Apply one coat of Universal Road Marking-Lead Free allow 4-6 hours drying

PREVIOUSLY COATED SURFACES

The substrates must be clean, dry and sound

Remove all loose and flaking paint

Remove all dust, foreign material, fungal and algae growth, which is to be treated with Universal Fungal Wash.

Apply one coat of Universal Road Marking-Lead Free allow 4-6 hours drying



CAUTIONS

To ensure colours on the project are consistent, always check the batch numbers and product codes are the same on every container. If batch numbers are different, try mixing all the batches together in a large container so that there is colour consistency.

It is preferable to buy all the paint you need at one time and in the largest possible pack size for convenience and to reduce the chances of slight colour variations between batches

The correct surface preparation is critical to ensure optimum performance of the paint system

Avoid painting during inclement weather

Don't wash, or wet, painted surfaces for 7 days after painting

High humidity will retard the drying and curing

Procedure to change a system from solvent to water based OR water to solvent based.

1. Sand surface slightly with fine sandpaper to break down the existing surface to a matt finish.
2. Dust off any loose dirt contaminants.
3. Clean the surface with soap solution.
4. Rinse well with clean water.
5. Allow the surface to dry completely.
6. Apply one coat of universal undercoat.
7. Apply two coats of the selected top coat (solvent or water based).

SAFETY PRECAUTIONS

For detailed safety information please refer to Material Safety Data Sheet

This product is lead free, does not contain any toxic substances and contains low levels of VOC

Only use in well-ventilated areas and do not eat, drink or smoke whilst using this product

Empty containers are suitable for recycling. But caution must be exercised in the disposal of used containers

DISCLAIMER

Universal Paints cannot be held liable if the product fails due to improper surface preparation or application