



UNIVERSAL FLOORCOAT URETHANE PRODUCT CODE: FLO00

TECHNICAL DATA SHEET

APRIL 2024 REVISION 1

PRODUCT DESCRIPTION

Universal Floorcoat Urethane is a classical urethane based floor coating

PRODUCT FEATURES AND BENEFITS

For interior concrete and metal floors which have been primed

High abrasion resistance

Alkali resistance

Resists mild acids and normal engine oil (not brake fluid resistant)

Excellent adhesion

Excellent flow and levelling properties

Highly washable

Good Hiding Power and film build

PRODUCT INFORMATION

Colour	Standard colours
Surface Appearance	Semi-gloss finish (which dissipates over time)
Resin Base	Classical Urethane
Solids Content	By volume: Approx. 45%
VOC Content	High VOC content 25% to 50%
Spreading Rate	Theoretical Spreading Rate: 11,3m ² /litre @ 40 µm DFT Practical Spreading Rate: 6,5m ² /litre @ 40 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	78 – 100 µm WFT depending on the surface, porosity, profile and application method 35 – 45 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	16-18 hours drying time before over coating
Application Methods	Brush, Roller or Airless Spray
Thinner	Is ready for use, do not thin. For spray application only thin by 10% using Universal Mineral Turpentine
Cleaning of equipment	Universal Mineral Turpentine

SURFACE PREPARATION

NEW SURFACES CONCRETE

The substrates must be clean, dry and sound and free of laitance (high speed diamond grind to remove laitance).

Remove all dust, foreign material, and traces of oil.

If the floor is very smooth, acid wash with a 30% solution of hydrochloric acid.

Wash off all traces of acid, wash and allow to dry for at least 3 days.

Apply 2 coats Universal Floorcoat Urethane allowing 16-18 hours to dry in between coats.

PREVIOUSLY COATED SURFACES CONCRETE

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

Remove all loose and flaking paint and sand existing coating.

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

Sand well and remove dust.

Apply 2 coats Universal Floorcoat Urethane allowing 16-18 hours to dry in between coats.



NEW SURFACES MILD STEEL

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

Degrease surfaces with Universal Paints Zinc Cleaner (Degreaser) to remove the manufacturer's grease protective layer. This process is repeated until the surface is water break free.

After drying, the Mild Steel substrate is coated with Universal Paints Galvanised Primer allowing 4-6 hours to dry or Universal Red Oxide Quick-Dry Primer allowing 16-18 hours to dry.

Apply 2 coats of Universal Floorcoat Urethane allowing 16-18 hours to dry in between coats.

PREVIOUSLY COATED SURFACES MILD STEEL

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

Remove all loose and flaking paint and sand existing coating.

Rusted areas need to be cleaned back to bright metal and spot prime Mild Steel with Universal Paints Galvanised Primer allowing 4-6 hours to dry or Universal Red oxide Quick-Dry Primer allowing 16-18 hours drying

Apply 2 coats of Universal Floorcoat Urethane allowing 16 -18 hours to dry in between coats.

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

Keep out of reach of children, flames and sparks

This product is lead free, contains very high 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