



UNIVERSAL ACRYLIC ROOF PRODUCT CODE: RAC00

TECHNICAL DATA SHEET

APRIL 2024 REVISION 1

PRODUCT DESCRIPTION

Universal Acrylic Roof is a new generation, water-based, pure acrylic, long-life roof coating

PRODUCT FEATURES AND BENEFITS

Exterior coating for all types of roofs excluding Clay Tiles

High durability

UV resistant for the harsh urban/industrial environment

Highly water resistant

Excellent adhesion

Good application properties

Quick drying and Low odour

Life expectancy of at least 10 years

PRODUCT INFORMATION

Colour	Standard colours
Surface Appearance	Low Sheen
Resin Base	Pure Acrylic
Solids Content	By volume: Approx. 58%
VOC Content	Low VOC content 0,3% to 7,99%
Spreading Rate	Theoretical Spreading Rate: 13,6m²/litre @ 42,5 µm DFT Practical Spreading Rate: 8,6m²/litre @ 42,5 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	50 – 86 µm WFT depending on the surface porosity, profile and application method 35 – 50 µm DFT depending on the surface porosity, profile and application method
Pack Sizes	Available in 1ℓ ,5ℓ and 20ℓ
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, Roller or Airless Spray
Thinner	Is ready for use, do not thin.
Cleaning of equipment	Water

SURFACE PREPARATION

NEW SURFACES ROOF TILES

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

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

Prime using the Universal Acrylic Sealer (allowing 4-6 hours to dry).

Apply 2 coats Universal Acrylic Roof allowing 4-6 hours to dry between coats.

PREVIOUSLY COATED SURFACES ROOF TILES

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

Remove all loose and flaking paint and sand existing coating.

Test for Adhesion – Cross Cut/Hatch Test - 90% pass rate. ISO Standard 2409:2013

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

Spot prime using Universal Acrylic Sealer (allowing 4-6 hours to dry) to all bare and repaired areas.

Apply 2 coats Universal Acrylic Roof allowing 4-6 hours to dry between coats.

NEW SURFACES GALVANISED STEEL

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

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

After drying, the whole substrate is coated with Universal Paints Galvanised Primer. Allowing 4-6 hours to dry.

Apply 2 coats of Universal Acrylic Roof allowing 4-6 hours to dry in between coats.



PREVIOUSLY COATED SURFACES GALVANISED STEEL

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

Remove all loose and flaking paint and sand existing coating.

Test for adhesion – Cross Cut/Hatch test – 90% pass rate. ISO standard 2409:2013

Rusted areas need to be cleaned back to bright metal and spot primed with Universal Paints Galvanised Primer or Universal Red oxide Quick-Dry Primer. Allow 16-24 hours to dry.

Apply 2 coats of Universal Acrylic Roof allowing 4-6 hours to dry between coats.

NEW SURFACES WOOD

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

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

Prime using Universal Pink Wood Primer.

Apply 2 coats Universal Acrylic Roof allowing 4-6 hours to dry between coats.

PREVIOUSLY COATED SURFACES WOOD

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

Remove all loose and flaking paint and sand existing coating.

Test for adhesion – Cross Cut/Hatch test – 90% pass rate. ISO standard 2409:2013

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

Spot prime using Universal Pinkwood Primer to all bare and repaired areas.

Apply 2 coats Universal Acrylic Roof allowing 4-6 hours to dry 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

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